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TABULATION OF DATA ON RECEIVING TUBES

Handbook 83

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National Bureau of Standards

Tabulation of Data on Receiving Tubes

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Foreword

This tabulation of data on receiving tubes currently in use has been prepared as part of the National Bureau of Standards Electron Devices Data Service. Established in 1948 to provide technical data on radio tubes to members of the Bureau staff, the service has since been extended to other scientists in government and in industry. In the course of the program, a large volume of information on domestic and foreign tubes has been accumulated on punched cards from which it could be automatically printed. It was felt desirable to make these data available in a single reference source as an aid to circuit designers in selecting tube types for particular uses.

The engineer should find this manual useful in narrowing down the choice of tubes to one or a few types. However, it is not practical to give all possible operating conditions nor to provide the characteristic curves for each tube in a tabulation such as this. It will still be necessary to consult the tube manufacturer's literature for such detailed information.

All information appearing in this publication was taken from manufacturers' published specifications and every effort has been made to ensure accuracy and completeness. However, the Bureau cannot assume responsibility for omissions nor for results obtained with these data.

Additional NBS prepared tabulations which are also available include the following: "Tabulation of Data on Microwave Tubes" NBS Handbook 70 (1961), which represents a listing of foreign and domestic microwave tubes; "Diode Source Book" (published by Semiconductor Products magazine, 1961), which contains charts giving the characteristics of semiconductor diodes, and "Electron Tube Interchangeability Chart" (published by Electronic Industries, 1962).

A. V. ASTIN, *Director*.

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Tabulation of Data on Receiving Tubes

A tabulation of Receiving-Type Electron Tubes with some characteristics of each type has been prepared in the form of two major listings, a Numerical Listing in which the tubes are arranged by type number, and a Characteristic Listing in which the tubes are arranged by tube type and further ordered on the basis of one or two important parameters. The tabulation is accompanied by a listing of similar tube types and basing connections for the listed tubes.

1. Introduction

The Electron Devices Section of the National Bureau of Standards has developed over the past several years an Electron Devices Data Service. This service attempts to obtain and maintain a file of data on all electron devices, i.e., tubes, transistors, and semiconductor diodes, manufactured in the United States and other countries. In an effort to make this service more readily available to engineers applying electronics in laboratories throughout the country, it was decided to develop a method of tabulating the essential information on these devices in handbook form for ready reference. For this publication on Receiving Tubes, an easily decipherable code and format for the tube characteristics was developed which would be suitable for a punched card system allowing automatic transfer to the printed page. The sources of information were the manufacturers' published handbooks and data sheets. The accuracy of the printed information is reasonably assured by verifying tabulations, by various sortings, and cross checking with manufacturers' publications.

This tabulation includes only the information normally furnished by the manufacturers in their handbooks or data sheets, and includes those tubes generally known as "Receiving Tubes." These include tubes to be found in home entertainment devices, military equipment, general purpose electronic laboratory equipment, etc. The tabulation is limited to tubes with not more than 25 watts plate dissipation and with maximum operating frequency less than 1,000 megacycles per second. One further restriction is that the tubes are currently active types, most of which have been registered with EIA and are produced by foreign or United States manufacturers. These tubes appear in the manufacturers' "New Equipment Price Lists" or are those on which a new or revised data sheet has been issued since 1956. Types listed by manufacturers as "For Replacement Only" or as "Discontinued" types are tabulated only in the Numerical Listing.

The user of this tabulation should be reminded that industry has used various letter suffixes to designate improved versions of a tube type. For example the letter "W" indicates that the type has been improved for military end-use and "WA" and/or "WB" indicate further improvements. Thus the "6AL5W" is an improved version of the "6AL5" and this is continued to

the ultimate improved type designation "5726/6AL5W/6097".

To avoid these complex designations, this tabulation lists only the type numbers by which a type is most commonly designated. The user should be cautioned that these versions of a tube may not be bilaterally interchangeable as the improved versions may differ in some physical dimensions or in one or more electrical characteristics.

2. Organization of the Tabulation

The Receiving Tube Tabulation comprises four principal sections as follows:

1. *Numerical Listing.* In this, the tubes are arranged by type number in the numerical-alphabetical sequence which is standard in the industry.

2. *Characteristics Listing.* Here the current tubes are grouped according to the number of electrodes, and within the group they are arranged by increasing value of one or two pertinent characteristics.

3. *Similar Tube Types.* Following each tube listed is one or more types similar to it. Here are found those tubes from sections 1 and 2 which are coded as having similar types available, together with some older tubes not included in sections 1 and 2 but which are similar to a current listed tube.

Tubes which are identical in all respects except heater ratings, e.g., 3BE6, 4BE6, 12BE6, etc., have been omitted from the similar tubes list since they are obviously similar types and may be found by turning to the characteristics listing where they will be found in a group or in close proximity to one another.

4. *Electronic Industries Association (EIA) Base Connections.* This section shows the base connections in tabular form for the EIA Base Numbers shown in the Numerical and Characteristic Listings. This tabular form contains all the information shown in the normal basing diagram and specifically indicates the use for each base pin. Initial confusion at this method of display will be more than compensated by the ready applicability of the specific information contained in this tabular form.

The format has column headings of the base pin numbers up to twelve and one column for a top cap or external connection. Under these headings, is printed the symbol for the tube element or elements corresponding to the pin number for

each base number. The code for the symbols is shown below:

H	Heater
F	Filament
HCT	Heater Center Tap
FCT	Filament Center Tap
K	Cathode
G1, G2, etc.	Grid Number
P	Plate
D	Deflector
T	Target
IC	Internal Connection
IS	Internal Shield
SH	Shell, Sleeve, etc.

A prefixed number is used before the code letter to indicate the section number of the tube (e.g., the two sections in a twin triode) and a postfixed number to indicate the number of the element in a section. In those cases in which an element is common to more than one section, no prefixed number is used (e.g., a single common screen grid, G2 in a twin pentode).

A blank in the column of a pin number indicates that there is no pin in the base or that the pin has no internal or external connection.

3. Sorting and Terminology of the Tabulation

To assist the user in understanding and applying the tabulation, the method of sorting and the definition of terms and abbreviations are explained in this section.

3.1. Sorting Methods

The Numerical Listing is arranged in numerical-alphabetical sequence by tube type number. In the Characteristics Listing the tubes are arranged in 46 groups by tube structure. Within these groups the tubes are arranged according to increasing value of one or two important parameters and finally by tube type number.

Given below are the groups into which the tubes are arranged and the characteristics by which the tubes are sorted within a group, e.g., all of the single triodes are grouped together, and are arranged in order of increasing value of " μ ". Where two or more tubes have the same μ , these are then arranged by increasing value of " gm ". Tubes with identical values of both μ and gm are then sorted by tube number.

Group heading	Characteristics sorted on		
	Primary	Secondary	Tertiary
1. Regulator, Single Diode, Cold Cathode.	E_{b*} -----	I_b *-----	Type No.
2. Regulator, Single Diode, Filamentary Cathode.			
3. Reference, Single Diode, Cold Cathode.			

Group heading	Characteristics sorted on		
	Primary	Secondary	Tertiary
4. Rectifier, Single Diode, Cold Cathode.	E_{p*} -----	I_b -----	Type No.
5. Rectifier, Single Diode, Filamentary Type.			
6. Rectifier, Single Diode, Heater Type.			
7. Damper, Single Diode.	E_{p*} -----	I_b -----	Type No.
8. Diode, Twin, Cold Cathode.			
9. Diode, Twin, Filamentary Type.			
10. Diode, Twin, Heater Type.	E_{p*} -----	I_b -----	Type No.
11. Diode, Multiple.			
12. Diode with Triode.			
13. Diode, Twin, with Triode.	E_{p*} -----	I_b -----	Type No.
14. Diode with Tetrode.			
15. Diode, Triple, with Triode.			
16. Diode with Pentode.	μ -----	gm -----	Type No.
17. Triode, Single.			
18. Triode, Twin.			
19. Triode, Dual Dissimilar.	gm -----	Type No.	
20. Triode, Triple.			
21. Triode with Diode.			
22. Triode with Tetrode.	gm -----	r_p -----	Type No.
23. Triode with Beam Type.			
24. Triode with Pentode.			
25. Triode with Hexode.	gm -----	r_p -----	Type No.
26. Triode with Pentagrid.			
27. Tetrode, Single.			
28. Tetrode, Twin.	gm -----	Type No.	
29. Tetrode with Diode.			
30. Tetrode with Triode.			
31. Beam, Single.	gm -----	r_p -----	Type No.
32. Beam, Twin.			
33. Beam, Miscellaneous.			
34. Beam with Triode.	gm -----	r_p -----	Type No.
35. Pentode, Single.			
36. Pentode, Twin.			
37. Pentode, Dissimilar.	gm -----	Type No.	
38. Pentode with Diode.			
39. Pentode with Triode.			
40. Pentagrid, Single.	gm -----	r_p -----	Type No.
41. Pentagrid with Triode.			
42. Hexode, Single.			
43. Hexode with Triode.	gm -----	Type No.	
44. Thyatron, Triode Type.			
45. Thyatron, Tetrode Type.			
46. Indicator, Electron Ray.	E_b -----	I_b -----	Type No.

* E_b and E_{p*} used for sorting are the maximum values, I_b is the typical value.

3.2. Terminology

The Numerical and Characteristic Listings are in tabular form containing 22 columns. The headings of these columns and their meanings are given below.

A blank in any column indicates that the characteristic designated by the column is not applicable to the tube in question or that no value was given in the available data.

Definitions

Type Number. This column lists the numerical-alphabetical designation assigned to the tube type by the manufacturer.

Code. A letter "S" indicates that this tube is similar to some other type. Such a tube will be found in the Similar Tubes List on pages 109 through 117 with its similar types. It is to be noted that these tubes are similar, not necessarily equivalent or directly interchangeable.

An asterisk (*) in this column indicates that the tube is on the Military Preferred List issued by the Department of Defense as "Military Standard Electron Tubes; Selection and use of", MIL-STD-200F, 15 March 1962.

A plus sign (+) is used to designate a tube not on the Military Preferred List but which the

manufacturer refers to as a ruggedized, reliable, or premium type.

In the Numerical List the letters "OBS" have been used to indicate that these tube types were not found on any manufacturers current price list and are thus considered as "replacement only" types and as such should not be considered in the design of new equipment. These will not appear in the Characteristics Listing but have been included in the Numerical List for reference only.

Kind. An easily decipherable three letter symbol is used here showing the tube to be a diode, triode, beam pentode, etc.

BEA	Beam
DIO	Diode
DWD	Double Diode
GTB	Gated Beam
HEX	Hexode
PDD	Pentode—Diode
PND	Pentode
PTG	Pentagrid
SHB	Sheet Beam
TDI	Triode Dissimilar
TET	Tetrode
TRD	Triple Diode
TRI	Triode
TRT	Triple Triode
TTR	Twin Triode
TWP	Twin Pentode

Type. A three-letter symbol is used to amplify the characterization under "Kind." Thus a tube is designated as single, twin, or combined with some other type in a multiple structure, in one envelope.

NOTE: A tube containing two or more different structures in one envelope will be listed once for each such structure in the Numerical Listing and once in each appropriate group in the Characteristic Listing, e.g., the 6X8 is listed as a triode with a pentode section and also as a pentode with a triode section. The data given on any one line refers to the section of the tube as designated in the column headed "Kind."

DIO	With Diode
DIS	Dissimilar (as applied to Dual Triodes)
DSD	Dissimilar with Diode
DTR	With Dissimilar Dual Triode
DWD	With Double Diode
GTB	With Gated Beam
PDD	With Pentode—Diode
PND	With Pentode
QUA	Quadruple
SIN	Single-Type
SXD	Sextuple
TDI	With Triode Dissimilar
TET	With Tetrode
TRD	With Triple Diode
TRI	With Triode

TTR	With Twin Triodes
TWN	Twin Type

Bulb. Designates the type, size, and shape of the bulb by an alphabetical-numerical code defined as follows:

- A. Initial Letter
 - MT—Metal Tubular or Cylindrical Shape
 - S—Indicates the "ST" design, i.e., the domed-conical-body glass bulb
 - T—Glass tubular or cylindrical shape
- B. Number—this number multiplied by one-eighth ($\frac{1}{8}$) inch gives the bulb diameter. Only the whole number is used, thus a T6 $\frac{1}{2}$ bulb is designated T6.
- C. Descriptive terms are used for the following:

ACO	Acorn Design
CM	Ceramic-Metal Design
LIT	Lighthouse Design
PC	Printed Circuit Design
PEN	Pencil Design
ROK	Rocket Design

Use. Gives the application for which the tube was developed or is most useful as stated in the manufacturer's data sheet. If a tube is particularly suited to some band of frequencies such as audio, intermediate, very high, etc., it is so designated in this column by AFA, IFA, VHF, etc. Such designation is the only reference to the frequency of operation of tubes in this Tabulation.

AFA	Audiofrequency amplifier
AFD	Audiofrequency Driver
CA	Cascode Amplifier
CON	Converter
DA	Damper
DET	Detector
DIS	Discriminator
EL	Electrometer
GA	Gating Amplifier
GEN	General Purpose
GGA	Grounded Grid Amplifier
HDA	Horizontal Deflection Amplifier
HF	High Fidelity
IFA	Intermediate-frequency Amplifier
IND	Indicator (Electron Ray)
MIX	Mixer
ONA	On-Off Applications (Computer Service)
OSC	Oscillator
PA	Power Amplifier
REC	Rectifier
REF	Voltage Reference
REG	Voltage Regulator
RFA	Radio Frequency Amplifier
SEM	Secondary Emission Tube
THY	Thyratron
TRG	Trigger
UHF	Ultra-high Frequency Amplifier
VA	Voltage Amplifier
VDA	Vertical Deflection Amplifier
VDO	Vertical Deflection Oscillator
VHF	Very-high Frequency Amplifier

Char. Refers to a specific characteristic of the given tube.

GAS Gas-filled (as applied to rectifiers, regulators, etc.)
HIP High Perveance
RCO Remote Cut-off i.e., more than 17 volts
SCO Sharp Cut-off i.e., 7 volts or less
SRC Semi-remote Cut-off i.e., more than 7 to 17 volts
VAC Vacuum (as applied to rectifiers)

Reg. Indicates the manufacturer who registered the type with the EIA. In some cases a manufacturer may no longer make a tube which he registered but it was impractical to try to list all companies making a given tube type so the present system was adopted as being fair to all manufacturers.

The not equal sign ($\neq$) is the symbol used to indicate that the original registrant is no longer producing receiving tubes, but the type is currently being manufactured by another company or companies.

AM Amperex Electronic Corp.
BE Bendix Electron Tube Products
CG Canadian General Electric Co. Ltd.
CH Chatham Electronics
CI Compagnie Industrielle Francaise
GE General Electric Co.
HI Hitachi Ltd.
HY CBS Hytron
LR Standard Elektrik Lorenz
MI Marconi Italiana
MU Mullard Ltd.
NU National Union Electric Corp.
PL Philco (Lansdale)
RA Raytheon Manufacturing Co.
RC Radio Corporation of America
RE Rogers Electronic Tubes Ltd.
RV Radio Valve Co. Ltd.
SH Siemens & Halske
SO Sonotone Corp.
ST Standard Telephones & Cables Ltd.
SY Sylvania Electric Products, Inc.
TA Thorn AEI Radio Valves & Tubes Ltd.
TE Telefunken G.M.B.H.
TO Tokyo Shibaura Electric Co. Ltd. (Toshiba)
TS Tungsol Electric Inc.
VI Victoreen Instrument Co.
WE Western Electric Co., Inc.
WH Westinghouse Electric Corp.

Cath. K. Designates the type of cathode.

C Cold Cathode
F Filamentary Cathode
H Heater type (i.e., unipotential cathode)

E_t Specifies the nominal heater or filament voltage in volts. In the case of tubes whose heater or filament is center tapped to allow series

or parallel operation of the sections, the value given is for series connection.

I_t Typical heater or filament current in milliamperes.

Max. E_b or E_{px} Maximum plate voltage permissible in the tube. In the case of diodes and thyratrons the value is the peak inverse voltage which can be applied to the tube.

Max. I_b Maximum plate current in milliamperes which the tube may pass.

P_p Maximum plate dissipation of the tube in watts. In the case of twin tubes the dissipation is for one section only, e.g., the 6SN7GTB is listed at a dissipation of 5 watts. The manufacturer gives this as the value for each plate, but with both units operating the total for both plates must not exceed 7.5 watts. For this reason multiple tubes should be checked in the manufacturer's data before operating the tube with maximum dissipation in each section.

E_p Typical value for the d-c plate or operating voltage in volts.

I_b Typical d-c anode current in milliamperes for the operating voltage in the preceding column.

Gm. Typical value of grid-plate transconductance of the tube in micromhos.

μ Typical tube amplification factor.

r_p Typical value for plate resistance in ohms.

Capacity in: Typical value for input capacitance of the tube, i.e., between grid #1 and all other electrodes.

Capacity out: Typical value for the output capacitance of the tube, i.e., between the anode and all other electrodes.

NOTE: These capacity values are measured without an external, grounded shield.

EIA Base No. This column designates the number assigned by the EIA to the base connections of the tube. These Base Numbers will be found in the last section of the Tabulation beginning on page 119. The designation "FL" is used to indicate flexible or flying leads on the miniature or subminiature tubes. The column is left blank where no Base Number is applicable as in light-house and ceramic-metal tubes.

3.3. Unit Symbols

While the normally used electrical unit is printed at the top of each column, it will be noted that letter symbols are used following some numbers to indicate a change of unit.

Symbol	Column heading	Unit
K-----	Max E _b or E _{px} -----	Kilovolts.
U-----	Max I _b and I _b -----	Microamperes.
A-----	Max I _b and I _b -----	Amperes.
K-----	r _p -----	Kilohms.
M-----	r _p -----	Megohms.

4. Numerical Listing of Data on Receiving Tubes

DATA ON RECEIVING TUBES - NUMERICAL LISTING

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V		MA	V	MA	h	EB V	T8 MA	GM UMPO	MU	RP OHMS	IN	OUT	
									V	MA	V	MA	h	V	MA	UMPO	MU	OHMS	IN	OUT		
6A2WA	S*	OIO	SIN	T5	REG	GAS	RC	C			185	30		151	18							580
6A3A	S	OIO	SIN	T9	REG	GAS	RA	C			105	40		75	22							4AJ
6A4G	S	TRI	SIN	ST12	TRG	GAS	SY	C			225	100		225	25							4V
6B2WA	S*	DIO	SIN	T5	REG	GAS	RA	C			133	30		108	18							580
6B3A		DIO	SIN	T9	REG	GAS	RA	C			130	30		90	18							4AJ
6C2		OIO	SIN	T5	REG	GAS	RC	C			115	30		75	18							580
6C3A	S	DIO	SIN	T9	REG	GAS	RA	C			133	40		105	22							4AJ
6D3A	S	DIO	SIN	T9	REG	GAS	RA	C			185	40		150	22							4AJ
6G3		DIO	SIN	T5	REG	GAS	TS	C			115	10		87	6							
6Z4G	S	DIO	T6N	T7	REC	GAS	RA	C			1K	200		300	75							4R
1A3		DIO	SIN	T5	REC	VAC	RC	H	1.4	150	330	5		117	500U							5AP
1A7GT		PTG	SIN	T9	CON		+HY	F	1.4	50	110	4		90	600U							7Z
1A85		PND	SIN	T9	VA	RGO	SY	F	1.2	130				150	7	1400			600K	2.8	4.2	58F
1AD2		DIO	SIN	T9	REC	VAC	GE	H	1.2	200	22K	50		225	7				125K	1.6	1.6	120Q
1AD4		PND	SIN	T3X2	VA	SCD	RA	F	1.2	100	100	7		45	3	2000			500K	4.0	4.0	FL
1AD5	S	PND	SIN	T3	VA	SCD	SY	F	1.2	40	68	4		68	2	700			700K	1.8	2.8	8CP
1AE4		PNC	SIN	T5	RFA	SCD	RA	F	1.2	100	90	11		90	4	1600			500K	3.6	4.4	6AR
1AF4		PND	SIN	T5	VA	SCD	SY	F	1.4	25	110	3		68	1	900			2M	3.8	7.5	6AR
1AG4		PND	SIN	T3X2	PA	SCD	RA	F	1.2	40	90	4		41	2	1000			180K	41		FL
1AH4		PND	SIN	T3X2	RFA	SCD	RA	F	1.2	40	90	2		68	1	800			2M	3.5	4.5	FL
1AJ2		DIO	SIN	T9	REC	VAC	TS	F	1.2	200	26K	50		140	7					1.8		12EL
1AJ5	ORS	DIO	PND	T3X2	OET	VAC	RA	F	1.2	40				45	1	400			300K	1.7	2.4	FL
1AJ5	ORS	PND	DIO	T3X2	VA	SCD	RA	F	1.2	40	90	2		68	1	800			2M	3.5	4.5	FL
1AK4		PND	SIN	T3X2	RFA	SCD	RA	F	1.2	20	90	1			2							FL
1AK5	ORS	OIO	PND	T3X2	DET	VAC	RA	F	1.2	20				45	500U	300			400K	2.0	2.7	FL
1AK5	ORS	PND	DIO	T3X2	VA	SCD	RA	F	1.2	20	90	1		85	2	900			10M	3.7	7.5	7ES
1AN5		PND	SIN	T5	IFA	PE	F	F	1.4	25	120	2		225	7							7C
1AU3		DIO	SIN	T12	REC	VAC	SY	F	1.2	200	30K	50		20K	300U							9Y
1AX2A		DIO	SIN	T6	REC	VAC	+HY	F	1.4	650	25K	11		35	2							3C
1B3GT	S*	DIO	SIN	T9	REC	VAC	PC	F	1.2	200	30K	17										
1C5GT		PND	SIN	T9	PA	SRC	+HY	F	1.4	100	110	12		90	8	1600			115K			6X
1DN5	S	DIO	PND	T5	OET	VAC	TS	F	1.4	50				68	250U				600K			6BW
1DN5	S	PND	OIO	T5	AFR	SRC	TS	F	1.4	50	90	3		68	2	600			400K	6.0	5.0	68W
1E8	ORS	PTG	SIN	T3	CON	SY	SY	F	1.2	40	68	4		68	1	1700			200K			8CN
1F5G	ORS	PND	SIN	ST14	PA	SRC	SY	F	2.0	120	180			135	8							6X
1G3GT	S	OIO	SIN	T9	REC	VAC	RC	F	1.2	200	33K	30		25	1							3C
1G4GT	ORS	TRI	SIN	T9	VA	RGO	GE	F	1.4	50	110	4		90	2	800			9	2.2	3.4	5S
1H2		DIO	SIN	T6	REC	VAC	GE	H	1.4	550	24K	50		10	500U							9LX
1H5GT		OIO	TRI	T9	OET	VAC	+HY	F	1.4	50				90								5Z
1H5GT		TRI	DIO	T9	VA	SCD	+HY	F	1.4	50	110			90	150U	300	65	240K				5Z
1J3A	S	DIO	SIN	T9	REC	VAC	GE	F	1.2	200	28K	50		225	7							3C
1K3	S	OIO	SIN	T9	REC	VAC	GE	F	1.2	200	26K	50		50	500U				600K	3.6	1.6	3C
1L4	S	PND	SIN	T5	RFA	SCD	RC	F	1.4	50	110	6		90	3	900						6AR
1L6		PTG	SIN	T5	COM	SY	SY	F	1.4	50	110	4		90	500U				650K			70C
1LC5	S	PND	SIN	T9	RFA	SCD	SY	F	1.4	50	110	5		90	1	800			1M	3.2	7.0	7AD

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				EIA BASE NO.
									V	MA	V	MA	W		E8 V	I8 MA	GM UMHO	MU	RP OHMS
1LC6	S	PTG	SIN	T9	CON	RCC	SY	F	1.4	50	110	3			90	750U		650K	7AK
1LE3	S	TRI	SIN	T9	GEN	RCC	SY	F	1.4	50	110				90	1		19K	4AA
1LG5	S	PND	SIN	T9	RFA	SRC	SY	F	1.4	50	110	5			90	2	800	1M	7AD
1LN5	S	PND	SIN	T9	RFA	SCO	#PL	F	1.4	50	110				90	2	800	1M	7AD
1M3	S	TRI	SIN	T3	IND		AM	F	1.4	25	90	300U	0.4		85	170U			FL
1N2A	S	DIO	SIN	1L2	REC	VAC	SY	F	1.2	200	28K	50				500U			3C
1N5GT	S	PND	SIN	T9	RFA	SCO	#HY	F	1.4	50	110	5			90	1	800	2M	5Y
1P5GT	C85	PND	SIN	T9	RFA	SRC	#HY	F	1.4	50	110				90	2	800	800K	5Y
1R4		DIO	SIN	T9	REC	VAC	SY	H	1.4	150	117	1							4AH
1R5WA	+	PTG	SIN	T5	CON		PC	F	1.2	50	100			0.1	90	900U			7AT
1S2A		DIO	SIN	T6	REC	VAC	RE	H	1.4	550	22K	40							90T
1S4		PND	SIN	T5	PA	SRC	RC	F	1.4	100	90	11			68	7	1600	100K	7AV
1S5	S	DIO	PND	T5	DET	VAC	RC	F	1.4	50						250U			6AU
1S5	S	PND	DIO	T5	VA	SCO	RC	F	1.4	50	90	3			68	2	600	600K	6AU
1T4WA	S+	PND	SIN	T5	IFA	SRC	RA	F	1.2	50	100	5	0.4		90	4	900	170K	6AR
1U4WA	S+	PND	SIN	T5	VA	SCO	TS	F	1.2	50	135	2	0.2		90	2	900		6AR
1U5WA	S	DIO	PND	T5	DET	VAC	#NU	F	1.4	50						250U			68W
1U5WA	S	PND	DIO	T5	AFA	SCO	#NU	F	1.4	50	90	3			68	2	600	600K	68W
1U6		PTG	SIN	T5	CON	VAC	SY	F	1.4	25	110	4			90	600U			7CD
1V2		DIO	SIN	T6	REC	VAC	PC	F	0.6	300	8K	10			25	500U			9U
1V6	OBS	TRI	PND	T3X2	OSC		RA	F	1.2	40	90	2			45	400U			FL
1V6	OBS	PND	TRI	T3X2	CON	SCO	RA	F	1.2	40	90	2			45	400U			FL
1X2A		DIO	SIN	T6	REC	VAC	#HY	F	1.2	200	20K	11			14K	175U			9Y
1X28		DIO	SIN	T6	REC	VAC	SY	F	1.2	200	22K	45			18K	100U			9Y
1Y2		DIO	SIN	ST12	REC	VAC	WH	F	1.3	280	38K	5							4P
1Z2		DIO	SIN	T5	REC	VAC	#NU	F	1.2	265	15K	8			18	2			7CB
2A3	S	TRI	SIN	ST16	PA	RCC	RC	F	2.5	2500	300		15.0	250	60	5200	4	800	40
2A7	OBS	PTG	SIN	ST12	CON		RC	H	2.5	800	300	14	1.0	250	4			360K	7C
2AF4B	S	TRI	SIN	T5	UHF	SRC	SY	H	2.4	600	150	28	2.2	80	16	6600	15	2270	70K
2AH2		DIO	SIN	T9	REC	VAC	GE	H	2.5	300	24K	8C		100	7				1.4
2AS2		DIO	SIN	T9	REC	VAC	GE	H	2.5	330	24K	8C		100	7				1.4
2B3		DIO	SIN	T9	REC	VAC	GE	F	1.8	250	27K	50			12	500U			8HC
2B22	OBS	DIO	SIN	1L1T	REC	HIP	GE	H	6.3	750	20C				100	5			
2BN4A		TRI	SIN	T5	VHF	SCO	GE	H	2.3	600	275	22	2.2	150	9	6800	43	6300	7EG
2C51	S	TRI	TW	T6	GEN	SRC	8T	H	6.3	300	300	18	1.5	150	8	5500	35		8CJ
2C53	S	TRI	SIN	T9	REG		#NU	H	6.3	300	8K	100	12.0	5K	900U	1000	450	400K	
2CW4	S	TRI	SIN	MT4	RFA	SCO	RC	H	2.0	450	135		1.5	70	7	12500	68	5440	12AQ
2CY5	S	TET	SIN	T5	VHF	SCO	WH	H	2.4	600	180	20	2.0	125	10	8000		100K	7EW
2D21W	S+	TET	SIN	T5	THY	GAS	TS	H	6.3	600	1K	500		650	100				78N
2OF4		PND	SIN	T6	PA	RCC	GE	F	2.5	345	250	50	4.5	120	37	6900			9JL
2DS4	S+	TRI	SIN	MT4	RFA	SRC	RC	H	2.1	450	300	15	1.0	110	7	9000	63	7000	1.8

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR.	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS IN	EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS		
2DV4	+	TRI	SIN	MT4	OSC	SCD	RC	H	2.1	450	125	15	1.0	75	10	11500	35	3100	4.4	12EA
2DX4		TRI	SIN	T5	UHF	SCD	WH	H	2.4	600	150	20	2.2	85	10	11000	30	2700	3.7	7DK
2DZ4	S+	TRI	SIN	T5	UHF	SRC	SY	H	2.4	600	135	20	2.3	80	15	6700	14	2000	2.2	7DK
2E24	DBS	BEA	SIN	T9	PA	RCD	SC	F	6.3	650	500	75	13.5	250	40	3200			9.5	7CL
2E25	DBS	BEA	SIN	ST11	PA	RCD	HY	F	6.0	1000	400	75	10.5	250	40	2500			8.5	58J
2E26	S	BEA	SIN	T9	PA	RCD	RC	H	6.3	800	600	75	17.0	250	42	3500			12.5	7CK
2E30		BEA	SIN	T5	PA	RCD	TS	F	6.0	650	250		10.0	250	44	3700		63K	9.5	7CQ
2E31		PND	SIN	T3X2	RFA	SCD	RA	F	1.2	50	45	1		22	400U			350K	4.0	FL
2E35	S+	PND	SIN	T3X2	PA	SCD	KA	F	1.2	30	45	1		45	450U			250K	5.7	FL
2EA5	DBS	TET	SIN	T5	VHF	SCD	PL	H	2.3	600	250	20	3.2	250	10	8000		150K	3.8	7EW
2EN5		CIO	TW	T5	DCT	VAC	PL	H	2.1	450		5							3.7	7FL
2ER5	S+	TRI	SIN	T5	VHF	SRC	RE	H	2.1	600	250	20	2.2	200	10	10500	80		4.4	7FP
2ES5	S	TRI	SIN	T5	AF	SCD	PL	H	2.4	600	250	22	2.2	200	10	9000	75	8000	3.2	7FP
2EV5	S	TET	SIN	T5	VHF	SCD	WH	H	2.4	600	275	20	3.2	250	12	8800		150K	4.5	7EW
2FH5	S	TRI	SIN	T5	VHF	SCD	PL	H	2.4	600	150	22	2.2	135	11	9000		5600	3.2	7FP
2FK5		TRI	SIN	T5	RFA	SCD	SY	H	2.3	600	200	22	2.3	135	12	15000	75	5000	4.4	7GM
2FQ5A	S	TRI	SIN	T5	VHF	SCD	SY	H	2.3	600	200	22	2.5	135	9	12000	74	6300	5.0	7FP
2F55		BEA	SIN	T5	RFA	SCD	GE	H	2.4	600	300	20	3.2	275	10	10000		240K	4.8	7GA
2FV6	S	TET	SIN	T5	VHF	SCD	RC	H	2.4	600	275	20	2.0	125	10	8000		100K	4.5	7FQ
2FY5	S	TRI	SIN	T5	VHF	RCD	AM	H	2.4	600	200	20	2.2	135	11	13000	70		4.75	7FP
2G5	DBS	TRI	SIN	ST12	IND		HY	H	2.5	800	250			250	240U				3.8	6R
2G21	S	TRI	PTG	T3X2	OSC		RA	F	1.2	50	45	2		22	200U				3.5	FL
2G21	S	PTG	TRI	T3X2	MIX		RA	F	1.2	50	45	2		22					3.6	FL
2G22	S	TRI	PTG	T3X2	OSC		RA	F	1.2	50	45	2		22	1				3.8	FL
2G22	S	PTG	TRI	T3X2	MIX		RA	F	1.2	50	45	2		22	200U				3.5	FL
2GK5	S	TRI	SIN	T5	VHF	SCD	SY	H	2.3	600	200	22	2.5	135	12	15000	78	5400	5.0	7FP
2GU5		BEA	SIN	T5	RFA	SCD	GE	H	2.4	600	300	20	3.0	275	10	15500		165K	7.0	7GA
2GW5		TRI	SIN	T5	VHF	SCD	SY	H	2.4	600	200	25	2.5	135	12	15000	70	5800	5.5	7GK
2HA5		TRI	SIN	T5	RFA		AM	H	2.2	600	220	22	2.6	135	12	14500	72			FL
2L2		CIO	SIN	T6	REC	VAC	TA	H	2.0	200	19K									
2T4	S	TRI	SIN	T5	OSC	SRC	SY	H	2.4	600	200	30	3.5	80	18	7000	13	1860	2.9	7DK
2V2		CIO	SIN	T11	REC	VAC	GE	F	2.5	200	21K	80		20	1					8FV
3A2		CIO	SIN	T6	REC	VAC	RC	H	3.2	220	18K	80		25	2				1.0	9DT
3A3	S	CIO	SIN	T9	REC	VAC	RC	H	3.2	220	30K	80		35	2				1.5	8E2
3A4		PND	SIN	T5	PA	RCD	RC	F	2.8	100	150	18	2.0	135	15	1500		90K	4.8	7R8
3A5		TRI	TW	T5	VA	SRC	RC	F	2.8	110	135	5	0.5	90	4	1800	15	8300	0.9	78C
3AF4B		TRI	SIN	T5	OSC	SRC	SY	H	3.2	450	150	28	2.2	100	20	7500	16	2130	2.2	7DK
3AJ9		TRI	PTG	T6	GEN		RE	H	3.6	600	550	6	0.8	100	14	3700	22		2.6	9CA
3AJ8		PTG	TRI	T6	CON		RE	H	3.6	600	550	12	1.7	200	4		1M		4.8	9CA
3AL5		CIO	TW	T5	DET	HIP	GE	H	3.2	600	330	54		117	9				7.9	6BT
3AT2		CIO	SIN	T9	REC	VAC	RA	H	3.2	220	30K	88			2				2.5	
3AU6	S	PND	SIN	T5	IFA	SCD	GE	H	3.2	600	300		3.0	250	8	4500		2M	5.5	78K

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR.	REG.	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.	
									V	MA	VA	V	MA	W	EB V	IP MA	GM UMHO	MU	RP OHMS	IN	OUT		
3AV6		DWO	TRI	T5	DET	VAC	SY	H	3.2	600						1	1600	100	62K	2.2	0.8	7BT	
3AV6		TRI	DWO	T5	VA	SCO	SY	H	3.2	600	30C				0.5	250					1.5	7BT	
3AW3	S	C10	SIN	T9	REC	VAC	RA	H	3.2	220	30K	8B				2					1.8	BEZ	
3B2	S	O10	SIN	T12	REC	VAC	RC	H	3.2	220	35K	80			30	1					7.6	86H	
3B4	ORS	BEA	SIN	T5	PA	RCD	+HY	F	2.5	165	150	25			3.0	150	25	1900		4.6	7.6	7CY	
3B7		TRI	TW	T9	UHF	SRC	SY	F	2.8	110	180	15			2.7	135	11	1900	20	1.4	1.8	7BE	
3B24WA		O10	SIN	T12	REC	VAC	WE	F	5.0	3000	20K	30C				140						3K	
3B28	S*	D10	SIN	T16	REC	GAS	CH	F	2.5	5000	10K	1000			3K	250					4P		
3BA6	S	PND	SIN	T5	RFA	RCD	GE	H	3.2	600	300				3.0	250	11	4400		5.5	5.0	7BK	
3BC5		PND	SIN	T5	PFA	SRC	GE	H	3.2	600	300				2.0	250	8	5700		6.5	1.8	780	
3BE6		PTG	SIN	T5	CON		GE	H	3.2	600	300				1.0	250	3			5.5	8.0	7CH	
3BN4		TRI	SIN	T5	VHF	SCO	GE	H	3.0	450	275	22			2.2	150	9	6800	43	6300	3.2	7EG	
3BN6		GTB	SIN	T5	D1S		GE	H	3.2	600	300	12			121	440U				4.2	1.4	70F	
3BUBA	S	PND	TW	T6	VHF	SCO	GC	H	3.2	600	300	12			1.1	100	2	1500		6.0	3.0	9FG	
3BX6		PND	SIN	T6	GEN	SCO	RE	H	3.4	600	550				2.5	250	10	6800		7.5	3.3	9AQ	
3BY6	S	PTG	SIN	T5	GA	SRC	GE	H	3.2	600	300				2.0	250	6	1900		5.4	7.6	7CH	
3BY7		PND	SIN	T6	PA		RE	H	3.4	600	550				2.5			6000		670K		9AQ	
3BZ6		PND	SIN	T5	IFA	RCD	SY	H	3.2	600	330				2.3	125	14	8000		7.0	2.0	7CM	
3C2		O10	SIN	T12	REC	VAC	GE	F	3.2	210	33K	80			30	1					1.4	8FV	
3C23		TRI	SIN	ST16	THY	GAS	GE	F	2.5	7000	1K	6000			600	2000						3G	
3CB6	S	PND	SIN	T5	IFA	SCO	GE	H	3.2	600	300				2.3	200	10	6200		6.5	2.0	7CM	
3CE5		PND	SIN	T5	RFA	SCO	+PL	H	3.2	600	300				2.0	125	11	7600		6.5	1.9	7BD	
3CF6	S	PND	SIN	T5	IFA	SCO	RC	H	3.2	600	300				2.0	200	10	6200		6.5	2.0	7CM	
3CS6	S	PTG	SIN	T5	GA	SCO	GE	H	3.2	600	300	14			1.0	100	1	1100		5.5	7.5	7CH	
3CV5	S	TET	SIN	T5	VHF	SCO	WH	H	2.9	450	180	20			2.0	125	10	8000		4.5	3.0	7EW	
3D6	S	BEA	SIN	T9	PA	SRC	SY	F	2.8	110	180	30			4.5	150	10	2400		7.5	5.5	6BA	
3D21B	*	PND	SIN	ST14	OSC	RCD	+HY	H	12.6	850	4K				15.0	600	30	5500				68U	
3DG4		O10	TW	T12	REC	VAC	GE	F	3.3	3800	1K	1200			2.3	275	350			6.3	1.9	50E	
3DK6		PND	SIN	T5	IFA	SCO	WH	H	3.2	600	330				2.3	125	12	9800		350K		7CM	
3DT6A		PND	SIN	T5	DET	SCO	RC	H	3.2	600	330				1.7	150	1	800		150K		7EN	
3DX4		TRI	SIN	T5	UHF		WH	H	3.0	450	150	20			2.2	85	10	11000	30	2700	3.7	7OK	
3DZ4		TRI	SIN	T5	UHF	SRC	SY	H	3.2	450	135	20			2.3	80	15	6700	14	2000	2.2	7DK	
3EA5	S	TET	SIN	T5	VHF	SCO	+PL	H	3.0	450	250	20			3.2	250	10	8000		150K	3.8	7EW	
3EH7	S	PND	SIN	T6	IFA		RE	H	3.4	600	500				2.5			12500		500K		9AQ	
3EJ7	S	PND	SIN	T6	IFA		RE	H	3.4	600	550				2.5			15000		350K		9AQ	
3ER5	S	TRI	SIN	T5	VHF	SRC	RE	H	2.8	450	250	20			2.2	200	10	10500	80	4.4	4.0	7FP	
3ES5	S	TRI	SIN	T5	AFB	SCO	+PL	H	3.0	450	250	22			2.2	200	10	9000	75	8000	3.2	7FP	
3EV5	S	TET	SIN	T5	VHF	SCO	WH	H	2.9	450	275	20			3.2	250	12	8800		4.5	2.9	7EW	
3FH5	S	TRI	SIN	T5	VHF	SCO	+PL	H	3.0	450	150	22			2.2	135	11	9000		5600	3.2	7FP	
3FK5		TRI	SIN	T5	RFA		SY	H	2.9	450	200	22			2.3	135	12	15000	75	5000	4.4	7GM	
3FQ5A	S	TRI	SIN	T5	VHF	SCO	SY	H	2.8	450	200	22			2.5	135	9	12000	74	6300	5.0	7FP	
3FS5		BEA	SIN	T5	RFA	SCO	GE	H	2.9	450	300	20			3.2	275	10	10000		240K	4.8	7GA	
3FW7		TRI	O1S	T3	MIX	SCO	TO	H	3.5	600	150	20			90	7	6000	36	6000	2.6	1.8	8LM	
3FW7		TRI	D1S	T3	OSC	SRC	TO	H	3.5	600	150	20			90	9	9500	36	3800	3.0	1.4	8LM	
3FX7		TRI	TW	T3	AFB	SCO	TO	H	3.5	600	100	20			1.7	90	9	9500	36	3800	3.1	1.05	8LK

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.			
									V	MA	V	MA	W	W	EB V	IB MA	GM UMPO	MU	RP OHMS	IN	OUT				
3FY5	S	TRI	SIN	T5	VHF	RCO	AM	H	3.1	450	200	20	2.2	135	11	13000	70					4.75	3.3	7FP	
3GK5	S	TRI	SIN	T5	VHF	SCO	SY	H	2.8	450	200	22	2.5	135	12	15000	78					5.0	3.5	7FP	
3GSB	S	PND	TW	T6	SCO	SCO	SY	H	3.2	600	300	12	1.1	100	8	1200						6.0	3.2	9FG	
3GUS	S	BEA	SIN	T5	RFA	SCO	GE	H	3.1	450	300	20	3.0	275	10	15500						165K	7.0	3.2	7GA
3GW5	S	TRI	SIN	T5	VHF	SCO	SY	H	3.0	450	200	25	2.5	135	12	15000	70					5.5	4.0	7GK	
3HA5		TRI	SIN	T5	RFA		AM	H	2.7	450	220	22	2.6	135	12	14500	72								
3HM6		PND	SIN	T6	IFA	SCO	WH	H	3.2	600	250	25	2.5	125	13	15000						156K	8.7	2.1	9PM
3HS8	S	PND	TW	T6	SCO	SCO	GE	H	3.2	300	300	12	1.1	100	2	1100									9FG
3HT6		PND	SIN	T6	IFA	SRC	WH	H	3.2	600	250	25	2.5	125	15	14000						143K			9PM
3KF8	S	PND	TW	T6	VHF	SCO	RA	H	3.2	600	300	12	1.1	100	3	1800						6.0	3.0		9FG
3LF4		BEA	SIN	T9	PA	SRC	SY	F	2.8	50	110	12		110	8	2000						110K			68B
3Q4	S	PND	SIN	T5	PA	SRC	RC	F	2.8	50	90	12		90	8	2000						120K			78A
3C5G		BEA	SIN	T9	PA	SRC	SY	F	2.8	50	110	12		90	10	2200						8.0	6.5		7AP
3S4	S	PND	SIN	T5	PA	SRC	RC	F	2.8	50	90	12		68	6	1400						100K			78A
3V4WA	S+	PND	SIN	T5	PA	SRC	#NU	F	1.2	100	90	8										120K	5.5	3.8	68X
4AU6	S	PND	SIN	T5	IFA	SCO	RC	H	4.2	450	300		3.0	250	8	4500						2M	5.5	5.0	78K
4AV6		OWI	TRI	T5	OET	VAC	RC	H	4.2	450				1											78T
4AV6		TRI	OW	T5	VA	SCO	RC	H	4.2	450	330		0.6	250	1	1600	100					62K	2.2	0.8	78T
4B32	S*	DIO	SIN	T1B	REC	GAS	CH	F	5.0	7250	10K	5000		3K	1250										4AT
4BA6	S	PND	SIN	T5	RFA	RCO	GE	H	4.2	450	300		3.0	250	11	4400						1M	5.5	5.0	78K
4B5		PND	SIN	T5	RFA	SRC	GE	H	4.2	450	300		2.0	250	8	5700						800K	6.5	1.8	78D
4B5B	S	TRI	TW	T6	CA	SRC	SY	H	4.2	600	250	22	2.2	150	10	6200	35					5300	2.6	1.3	9AJ
4BE6		PTG	SIN	T5	CON	CON	GE	H	4.2	450	300	14	1.0	250	3							1M	5.5	8.0	7CH
4BL8		TRI	PNO	T6	CON	CON	RE	H	4.6	600	550		1.5	100	14	5000	20						2.5	1.8	90C
4BL8		PND	TRI	T6	CON	CON	RE	H	4.6	600	550		1.7	170	10	6200						400K	5.2	3.4	90C
4BN6		GTR	SIN	T5	DIS		GE	H	4.2	450	300	12		121	4400							4.2			70F
4BQ7A	S	TRI	TW	T6	CA	SCO	SY	H	4.2	600	250	20	2.0	150	9	6400	38					5900	2.6	1.2	9AJ
4BS8	S	TRI	TW	T6	CA	SCO	WH	H	4.2	600	150	20	2.0	150	10	7200	36					5000	2.6	1.4	9AJ
4BUB	S	PND	TW	T6	VHF	SCO	GE	H	4.2	450	300	12	1.1	100	2	1500							6.0	3.0	9FG
4BX8		TRI	TW	T6	CA	SCO	WH	H	4.5	600	150	20	2.0	65	9	6700	25						2.4	1.25	9AJ
4BZ6	S	PND	SIN	T5	IFA	RCO	GE	H	4.2	450	330		2.3	125	14	8000						260K	7.0	2.0	7CM
4BZ7	S	TRI	TW	T6	CA	SCO	SY	H	4.2	600	250	20	2.0	150	10	6800	36					5300	2.6	1.2	9AJ
4BZ8	OBS	TRI	TW	T6	CA	SRC	PL	H	4.2	600	250	20	2.2	125	10	8000	45					5600			9AJ
4CB6	S	PND	SIN	T5	IFA	SCO	GE	H	4.2	450	300		2.3	200	10	6200						600K	6.5	2.0	7CM
4CE5	OBS	PND	SIN	T5	RFA	SCO	GE	H	4.2	450	300		2.0	125	11	7600						300K	6.5	1.9	78D
4CS6		PTG	SIN	T5	GA	SCO	SY	H	4.2	450	300	14	1.0	100	1	1100						1M			7CH
4CX7		TRI	TW	T6	CA	SRC	SY	H	4.2	600	250	20	2.0	150	9	6400	39						2.4	1.3	9FC
4CY5		TET	SIN	T5	VHF	SCO	WH	H	4.5	300	180	20	2.0	125	10	8000						100K	4.5	3.0	7EW
4OE6	S	PND	SIN	T5	IFA	SRC	SY	H	4.2	450	330		2.3	125	16	8000						250K	6.5	2.0	7CM
4DK6		PND	SIN	T5	IFA	SCO	WH	H	4.2	450	330		2.3	125	12	9800						350K	6.3	1.9	7CM
4OT6A		PND	SIN	T5	OET	SCO	RC	H	4.2	450	330		1.7	150	1	800						150K	5.8		7EN
4EH7		PND	SIN	T6	IFA		RE	H	4.4	450	500		2.5	200	10	12500						500K			9AQ
4EJ7		PND	SIN	T6	IFA		RE	H	4.5	450	550	25		200	10	15000						350K	10.0	3.0	9AQ
4ESB		TRI	TW	T6	CA	SRC	RE	H	4.5	600	130	22	1.8	90	15	12500						2500			9AJ
4EW6	S	PND	SIN	T5	IFA	SCO	GE	H	4.2	600	330		3.1	125	11	14000						200K	10.0	2.4	7CM

NUMERICAL LISTING - CONTINUED

TURE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TURB CHAR	REQ	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE		ETA BASE NO.
									V	PA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICCFARADS IN	DUT	
4FK5		TRI	SIN	T5	RFA	SCD	SY	H	4.0	300	200	22	2.3	135	12	15000	75	5000	4.4	2.6	7GM
4FS7		TRI	PND	T6	RFA	SCD	MU	H	4.6	600	125	15	1.5	100	14	5500	17		2.4	1.1	9MP
4FS7		PND	TRI	T5	CON	SCD	MU	H	4.6	600	250	18	2.0	170	10	12000			6.0	3.5	9MP
4GK5		TRI	SIN	T5	VHF	SCD	SY	H	4.0	300	200	22	2.5	135	12	15000	78	5400	5.0	3.5	7FP
4GM6	S	PND	SIN	T5	IFA	SRC	RC	H	4.2	600	330		3.1	125	14	13000		200K	10.0	2.4	7CM
4GS8		PND	TWN	T6		SCD	SY	H	4.2	450	300	12	1.1	100	8	12000			6.0	3.2	9FG
4GW5		TRI	SIN	T5	VHF	SCD	SY	H	4.2	300	200	25	2.5	135	12	15000	70	5800	5.5	4.0	7GK
4GZ5		PND	SIN	T5	IFA	SCD	TS	H	4.0	600	300		4.8	250	16	8400		150K	8.5	3.8	7CV
4HA5		TRI	SIN	T5	RFA	SCD	AM	H	3.9	300	220	22	2.6	135	12	14500	72				
4HW6		PND	SIN	T6	IFA	SCD	WH	H	4.2	450	250	25	2.5	125	13	15000		156K	8.7	2.1	9PM
4HS2		PND	TWN	T6		SCD	GE	H	4.2	450	300	12	1.1	100	2	1100					9FG
4HT6		PND	SIN	T6	IFA	SRC	WH	H	4.2	450	250	25	2.5	125	15	14000		143K			9PM
4KF8	S	PND	TWN	T6	VHF	SCD	RA	H	4.2	450	300	12	1.1	100	3	1800			6.0	3.0	9FG
4KN2		TRI	TWN	T6	VHF	SCD	HI	H	4.2	600	220	22	2.2	110	16	16000	45	2800			9AJ
5AG		BEA	SIN	T6	PA	RCO	TS	F	5.0	230	150	40		150	28	4300			8.5	6.0	9L
5AM8		DIO	PND	T6	DET	HIP	SY	H	4.7	600					5						9CY
5AM8		PND	DIO	T6	IFA	SRC	SY	H	4.7	600	300		2.8	200	12	7000		600K	6.0	2.6	9CY
5AN8	S	TRI	PND	T6	GEN	RCO	SY	H	4.7	600	300		2.6	200	13	3300	19	5750	2.0	0.27	9DA
5AN8	S	PND	TRI	T6	GEN	SRC	SY	H	4.7	600	300		2.0	200	10	6200		300K	7.0	2.3	9DA
5AQ5		BEA	SIN	T5	PA	RCO	GE	H	4.7	600	250		12.0	250	47	4100		52K	8.0	8.5	7BZ
5AR4		DIO	TWN	T9	REC	VAC	GE	H	5.0	1900	2K	825		450	275						50A
5AS4A	S	DIO	TWN	ST16	REC	VAC	RC	F	5.0	3000	2K	1000									5T
5AS8		DIO	PND	T6	DET	HIP	RC	H	4.7	600	330	50			5						9DS
5AS8		PND	DIO	T6	VHF	SRC	RC	H	4.7	600	300		2.5	200	10	6200		300K	7.0	2.4	9DS
5AT4A		DIO	TWN	ST16	REC	VAC	CH	H	5.0	4250	2K	2000		550	800						5L
5AT8	S	TRI	PND	T6	OSC	SRC	RC	H	4.7	600	250		1.5	100	8	5800	40	6900	2.0	0.5	9DW
5AT8	S	PND	TRI	T6	MIX	SRC	RC	H	4.7	600	250		2.0	250	8	4600		750K	4.5	0.9	9DW
5AU4	S	DIO	TWN	T12	REC	VAC	GE	F	5.0	3750	1K	1075		400	325						5T
5AV8	S	TRI	PND	T6	GEN	RCO	SY	H	4.7	600	300		2.5	200	13	3300	19	5750	2.0	0.27	9DZ
5AV8	S	PND	TRI	T6	GEN	SRC	SY	H	4.7	600	300		2.0	200	10	6200		300K	7.0	2.3	9DZ
5AW4	UBS	DIO	TWN	T12	REC	VAC	HY	F	5.0	3700	2K	750		450	250						5T
5AZ3	S	DIO	TWN	T12	REC	VAC	HY	H	5.0	3000	2K	1000		450	275						128R
5AZ4	S	DIO	TWN	T9	REC	VAC	SY	F	5.0	2000	1K	375		500	125						5T
5B8	S	TRI	PND	T6	GEN	RCO	SY	H	4.7	600	300		2.5	200	13	3300	19	5750	1.9	1.4	9EC
5B8	S	PND	TRI	T6	GEN	SRC	SY	H	4.7	600	300		2.0	200	10	6200		300K	6.0	2.6	9EC
5BC3		DIO	TWN	T12	REC	VAC	RC	F	5.0	3000	2K	1000		1K							9NT
5BE8	S	TRI	PND	T6	DSC	SRC	SY	H	4.7	600	300		2.5	150	18	8500	40	5000	2.8	1.5	9EG
5BE8	S	PND	TRI	T6	MIX	SRC	SY	H	4.7	600	300		2.8	250	10	5200		400K	4.4	2.6	9EG
5BK7A		TRI	TWN	T6	CA	SRC	GE	H	4.7	600	300		2.7	150	18	9300	43	4600	3.0	1.0	9AJ
5BQ7A	S	TRI	TWN	T6	CA	SCD	GE	H	5.6	450	300	20	2.0	150	9	6400	38	5900	2.6	1.2	9AJ
5BR4A	S	TRI	PND	T6	OSC	SRC	TS	H	4.7	600	300		2.7	150	18	8500	40	5000	5.0	2.6	9FA
5BR4A	S	PND	TRI	T6	MIX	SRC	TS	H	4.7	600	300		2.8	250	10	5200		400K			9FA
5BS8	S	TRI	TWN	T6	CA	SCD	WH	H	5.6	450	150	20	2.0	150	10	7200	36	5000	2.6	1.4	9AJ
5BT8		DND	PND	T6	DET	VAC	WH	H	4.7	600					1						9FE

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	FURC CHAR.	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		ETA BASE NO.		
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT			
58T8		PND	DND	T6	IFA	SRC	WH	H	4.7	600	300			2.0	200	10	6200		300K	7.0	2.3	9FE	
58W8		DND	PND	T6	DET	VAC	GE	H	4.7	600						5						1.3	9HK
58W8		PND	DND	T6	IFA	SRC	GE	H	4.7	600	330			3.0	250	10	5200		250K	4.8	2.6	9HK	
58Z7	C8S	TRI	TWN	T6	CA	SCD	GE	H	5.6	450	300	20		2.0	150	10	6800	36	5300	2.6	1.2	9AJ	
5CG8	S	TRI	PND	T6	OSC	SRC	PC	H	4.7	600	250			1.5	100	8	5800	40	6900			9GF	
5CG8	S	PND	TRI	T6	MIX	SRC	RC	H	4.7	600	250			2.0	250	8	4600		750K	4.8	0.9	9GF	
5CL8A	S	TRI	TET	T6	OSC	SRC	GE	H	4.7	600	330			2.5	125	14	8000	40	5000	2.8	1.5	9FX	
5CL8A	S	TET	TRI	T6	MIX	SRC	GE	H	4.7	600	330			3.0	125	12	6500		200K	5.0	2.0	9FX	
5CM6	S	BEA	SIN	T6	PA	RCD	SY	H	4.7	600	315			12.0	250	47	4100		50K	8.0	8.5	9CK	
5CM8	S	TRI	PND	T6	GEN	SCD	SY	H	4.7	600	300			1.0	250	2	2000	100	50K	1.6	0.22	9FZ	
5CM8	S	PND	TRI	T6	GEN	SRC	SY	H	4.7	600	300			2.0	200	10	6200		600K	6.0	2.6	9FZ	
5CQ8	S	TRI	TET	T6	OSC	SCD	RC	H	4.7	600	300			2.7	125	15	8000	40	5000			9GE	
5CQ8	S	TET	TRI	T6	MIX	SCD	RC	H	4.7	600	300			2.8	125	12	5800		140K			9GE	
5CR8	O8S	TRI	PND	T6	GEN	SRC	SY	H	4.7	600	330			2.8	125	12	4000	22	5500	2.0	1.4	9GJ	
5CR8	O8S	PND	TRI	T6	GEN	SRC	SY	H	4.7	600	330			2.3	125	13	7700		300K	6.0	2.8	9GJ	
5CU4		DIO	TWN	T12	REC	HIP	RA	H	5.0	3300	800	425			260	385						8KD	
5CZ5		8EA	SIN	T6	PA	RCD	RC	H	4.7	600	350			12.0	250	48	4800		73K	6.0	6.0	9HN	
5DH8		TRI	PND	T6	GEN	SRC	GE	H	5.2	600	300			2.0	250	7	4400	53		12K	2.4	1.4	9EG
5DH8		PND	TRI	T6	IFA	SCD	GE	H	5.2	600	300			2.2	125	14	8600		150K	6.5	2.2	9EG	
5DJ4	S	DIO	TWN	T12	REC		SY	F	5.0	3000	2K	1000			550	275						8KS	
5DN4	S	DIO	TWN	T12	REC	VAC	RA	F	5.0	3300	1K	1300			425	350						8KS	
5EAB	S	TRI	PND	T6	OSC	SRC	GE	H	4.7	600	330			3.0	150	18	8500	40	5000	3.0	0.3	9AE	
5EAB	S	PND	TRI	T6	MIX	SRC	GE	H	4.7	600	330			3.1	125	12	6400		80K	5.0	2.6	9AE	
5EH8	S	TRI	PND	T6	OSC	SRC	SY	H	4.7	600	300			2.5	125	14	7500	40		2.8	1.7	9JG	
5EH8	S	PND	TRI	T6	MIX	SRC	SY	H	4.7	600	300			2.8	125	12	6000		170K	4.8	2.4	9JG	
5ES8		TRI	TWN	T6	CA	SRC	RE	H	5.6	450	130	22		1.8	90	15	12500		2500			9AJ	
5EU8	S	TRI	PND	T6	OSC	SRC	RA	H	4.7	600	330			3.0	150	18	8500	40	5000	3.0	1.6	9JF	
5EU8	S	PND	TRI	T6	MIX	SRC	RA	H	4.7	600	330			3.1	125	12	6400		80K	5.0	2.6	9JF	
5EW6		PND	SIN	T5	IFA	SCD	RC	H	5.6	450	330			3.1	125	11	14000		200K	10.0	2.4	7CM	
5FG7		TRI	PND	T6	OSC	SCD	GE	H	4.7	600	330			2.5	125	13	7500	43	5700	3.0	1.3	9GF	
5FG7		PND	TRI	T6	MIX	SRC	GE	H	4.7	600	330			3.0	125	11	6000		180K	5.0	2.4	9GF	
5FV8	S	TRI	PND	T6	VOD	SRC	SY	H	4.7	600	330	70		2.0	125	14	8000	40	5000	2.8	1.5	9FA	
5FV8	S	PND	TRI	T6	IFA	SRC	SY	H	4.7	600	330			2.3	125	12	6500		200K	5.0	2.0	9FA	
5GH8	S	TRI	PND	T6	VA	SRC	GE	H	4.7	600	330			2.5	125	14	8500	46	5400	3.4	0.3	9AE	
5GH8	S	PND	TRI	T6	OSC	SRC	GE	H	4.7	600	350	20		2.5	125	12	7500		200K	5.5	2.6	9AE	
5GM6		PND	SIN	T5	IFA	SRC	RC	H	5.6	450	330			3.1	125	14	13000		200K	10.0	2.4	7CM	
5GX6		PND	SIN	T5		SCD	TS	H	4.7	60	300			1.7	150	4			140K			7EN	
5HG8		TRI	PND	T6	VHF	SCD	SY	H	5.3	450	125	17		1.9	100	14	5500	17	3100	2.4	1.1	9MP	
5HG8		PND	TRI	T6	VHF		SY	H	5.3	450	250	20		2.2	170	10	12000	70	350K	6.0	3.5	9MP	
5J6		TRI	TWN	T5	RFA	SCD	GE	H	4.7	600	300	15		1.5	100	8	5300	38	7100	2.2	0.4	78F	
5K08		TRI	PND	T6	OSC	SRC	SY	H	5.6	450	330			2.5	125	14	7500	40		2.8	1.5	9AE	
5K08		PND	TRI	T6	MIX	SRC	SY	H	5.6	450	330			3.0	125	10	5000		200K	5.0	2.6	9AE	
5KE8	+	TRI	PND	T6	OSC	SRC	RC	H	5.6	450	280	20			125	13	8000	40	5000	2.4	2.0	9DC	
5KE8	+	PND	TRI	T6	MIX	SCD	RC	H	5.6	450	280	20			125	10	12000		125K	5.0	3.4	9DC	
5R4hGR	S+	DIO	TWN	T16	REC	VAC	TS	F	5.0	2000	950	165			900	165						5T	

TUBE TYPE NUMBER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAP.	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS IN CUT	EIA BASE NO.
									V	MA		V	MA	W	EB V	IB MA	GM UMHO	RP OHMS		
5T4	S	DIO	T&N	T10	REC	VAC	RC	F	5.0	2000		2K	675		550	225				5T
5T8		TRD	TRI	T6	DET	HIP	GE	H	4.7	600						5				9E
5T8		TRI	TRD	T6	AFA	SCD	GE	H	4.7	600	300			1.0	250	1	1200	70	58K	1.6
5U4G8	S	DIO	T&N	T11	REC	VAC	GE	F	5.0	3000		2K	900		450	250				5T
5U8	S	TRI	PND	T6	OSC	SRC	GE	H	4.7	600	300			2.7	150	18	8500	40	5000	2.5
5U8	S	PND	TRI	T6	MIX	SRC	GE	H	4.7	600	300			2.8	250	10	5200	400K		9AE
5V3A	S	DIO	T&N	T12	REC	VAC	TS	F	5.0	3000		2K	1400		425	350				5T
5V4G	S	DIO	T&N	ST14	REC	VAC	SY	H	5.0	2000		1K	525		375	175				5L
5V6GT	S	BEA	SIN	T9	PA	RCO	GE	H	4.7	600	315			12.0	250	47	4100	50K		7S
5X4G	S	DIO	T&N	ST16	REC	VAC	SY	F	5.0	3000		2K	675		550	225				5C
5X8	S	TRI	PND	T6	OSC	SRC	SY	H	4.7	600	250			1.5	100	8	5800	40	6900	2.0
5X8	S	PND	TRI	T6	MIX	SRC	SY	H	4.7	600	250			2.0	250	8	4600	750K		9AK
5Y3GT	S	DIO	T&N	T9	REC	VAC	RC	F	5.0	2000		1K	400		400	125				5T
5Y4GA	S	DIO	T&N	T12	REC	VAC	SY	F	5.0	2000		1K	400		350	125				5C
5Z3	S	DIO	T&N	ST16	REC	VAC	RC	F	5.0	3000		1K	675		450	225				4C
5Z4	S	DIO	T&N	MT8	REC	VAC	RC	H	5.0	2000		1K	375		350	125				5L
6A3	08S	TRI	SIN	ST16	PA	RCO	SY	F	6.3	1000	250				250	60	5200	4	800	4D
6A7	S	PTG	SIN	ST12	CON		RC	H	6.3	300	300		14	1.0	250	4			360K	7.0
6A8GT	S	PTG	SIN	T9	CON	#HY	RC	H	6.3	300	300		14	1.0	250	4			360K	6.0
6A84	S	TRI	SIN	T5	GEN	SRC	GE	H	6.3	150	300			2.5	250	10	5500	60	11K	2.2
6A87	S	PND	SIN	MT8	RFA	SRC	RC	H	6.3	450	300			3.8	300	12	5000	700K		5.0
6AC7	S	PND	SIN	MT8	RFA	SCD	RC	H	6.3	450	300			3.0	300	10	9000	1M		5.0
6AD4	08S	TRI	SIN	T3	VA	SCD	SY	H	6.3	150	150		2	0.3	100	1	2000	70	35K	1.9
6AF3		DIO	SIN	T6	DA	VAC	TS	H	6.3	1200	4K		75C	6.0	20	185				2.2
6AF4A	S	TRI	SIN	T5	UHF	SRC	RC	H	6.3	225	150		28	2.2	100	20	7500	16	2130	2.2
6AF6G	S	TRI	DIS	T9	IND		RC	H	6.3	150	250				250	2				0.45
6AF11		DOI	PND	T9		SCD	GE	H	6.3	600	330			1.1	200	7	5500	68	12K	
6AF11		DOI	PND	T9	CON	SCD	GE	H	6.3	600	330			2.0	200	9	4400	41	9400	
6AF11		PND	DOI	T9	IFA	SRC	GE	H	6.3	600	330			5.0	250	24	11000	68K		
6AG5	S	PND	SIN	T5	VHF	SRC	RC	H	6.3	300	300			2.0	250	6	5000	800K		1.8
6AG7	S	PND	SIN	MT8	PA	SRC	RC	H	6.3	650	300			9.0	300	30	11000	130K		7.5
6AG11		DWD	TTR	T9	HF	VAC	GE	H	6.3	750			18							2.2
6AG11		TTR	DWD	T9	HF	SCD	GE	H	6.3	750	330			2.0	125	8	7800	66	8500	3.8
6AH4GT		TRI	SIN	T9	VDA	RCO	SY	H	6.3	750	500		160	7.5	250	30	4500	8	1780	0.24
6AH6A	S+	PND	SIN	T5	IFA	SRC	RA	H	6.3	450	330		28	3.3	300	10	9000	500K		1.7
6AJ4	S	TRI	SIN	T6	UHF	SRC	GE	H	6.3	225	150		20	2.0	125	16	10000	42	4200	4.5
6AJ5	S	PND	SIN	T5	UHF	SCD	WE	H	6.3	175	180		18	1.7	28	3	2500	100K		2.1
6AK4		TRI	SIN	T3	UHF	RCC	SY	H	6.3	150	250		20	3.0	200	10	3800	20	5300	4.0
6AK5	S	PND	SIN	T5	UHF	SRC	WE	H	6.3	175	180		18	1.7	180	8	5100	500K		0.8
6AK6		PNC	SIN	T5	PA	RCO	RC	H	6.3	150	300			2.8	180	15	2300	200K		2.1
6AL3		DIO	SIN	T6	DET	VAC	RE	H	6.3	1550	550		550	5.0	250	220				4.2
																				8.6

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICCFARADS		EIA BASE NO.
									V	MA	V	PA	W	E8 V	T8 MA	GM UMHO	MU	RP OHMS	IN	OUT	
6AL5	S	DIC	TW	T5	OET	HIP	RC	H	6.3	300	330	54		117	9					2.5	68T
6AL7GT		HEX	SIN	T9	IND	GE	GE	H	6.3	150	365			315							8CH
6ALL1		PNO	DIS	T9	AF	SCO	GE	H	6.3	900	330		1.7	150	1	1000		150K			128U
6AL11		PNC	DIS	T9	OET	SRC	GE	H	6.3	900	275		10.0	250	39	6500		100K	11.0	12.0	128U
6AM4		TRI	SIN	T6	MIX	SCO	GE	H	6.3	225	200		2.0	200	10	9800	85	8700			98X
6AM8A		DIC	PND	T6	DCT	HIP	SY	H	6.3	450					5						9CY
6AM8A		PND	OIO	T6	IFA	SRC	SY	H	6.3	450	300		2.8	200	12	7000		600K	6.0	2.6	9CY
6AN4	S	TRI	SIN	T5	UHF	SCO	SY	H	6.3	225	300	30	4.0	200	13	10000	70		2.9	0.3	70K
6AN5WA	S	PND	SIN	T5	PA	SRC	RA	H	6.3	450	330	55	4.6	120	33	8500			9.0	5.5	780
6AN6	08S	OIC	QUA	T5	REC	VAC	SY	H	6.3	200	210	45		75	3						78J
6AN8	S	TRI	PND	T6	GEN	RCC	RC	H	6.3	450	300		2.6	200	13	3300	19	5750	2.0	0.27	9DA
6AN8	S	PND	TRI	T6	GEN	SRC	RC	H	6.3	450	300		2.0	200	10	6200		300K	7.0	2.3	90A
6AC5	S	BEA	SIN	T5	PA	RCD	TS	H	6.3	450	250		12.0	250	47	4100		52K	8.0	8.5	78Z
6AQ6	S	OWO	TRI	T5	DET	VAC	RC	H	6.3	150		1									78T
6AC6	S	TRI	DWO	T5	VA	SCO	PC	H	6.3	150	300			250	1	1200	70	58K	1.8	1.7	78T
6AQB	S	TRI	TW	T6	RFA	SCO	RE	H	6.3	435				230	10	6000	57	9700			9AJ
6AR5	S	PND	SIN	T5	PA	RCD	HY	H	6.3	400	250		8.5	250	33	2300		68K			6CC
6AR6WA	S	BEA	SIN	T11	PA	RCD	WE	H	6.3	1200	565	115	19.0	250	77	5400		21K	11.0	7.0	68Q
6AR8	S	SHR	SIN	T6	DET	SRC	GE	H	6.3	300	300	30	2.0	250	10	4000			5.0		90P
6AR11		PND	TW	T9	IFA	SRC	GE	H	6.3	800	330	11	3.1	125		10500		200K	10.0	2.9	120M
6AS5		BEA	SIN	T5	PA	RCD	RC	H	6.3	800	150		5.5	150	36	5600			12.0	6.2	7CV
6AS6	S	PNO	SIN	T5	VA	SRC	WE	H	6.3	175	180	18	1.7	120	5	3200		110K	3.9	2.2	7CM
6AS7GYB	S	TRI	TW	T12	PEG	RCD	GE	H	6.3	2500	250	125	13.0	135	125	7000	2	280	6.5	2.2	88D
6AS8		OIC	PND	T6	DET	HIP	RC	H	6.3	450	330	50			5				3.0		90S
6AS8		PND	OIO	T6	VHF	SRC	RC	H	6.3	450	300		2.5	200	10	6200		300K	7.0	2.4	9DS
6AS11		TDI	PND	T9	CON	SCO	GE	H	6.3	1050	330		2.0	200	9	4400	41	9400	2.4	3.8	120P
6AS11		TOI	PND	T9	IFA	SCO	GE	H	6.3	1050	330		1.5	200	7	5500	68	12K	3.0	2.2	120P
6AT6	S	PNC	TCI	T9	VHF	SRC	GE	H	6.3	1050	330		5.0	200	24	10500		70K	9.5	4.4	120P
6AT6	S	DWD	TRI	T5	OET	VAC	RC	H	6.3	300					1						78T
6AT6	S	TRI	DWD	T5	VA	SCO	RC	H	6.3	300	300		0.5	250	1	1200	70	58K	2.2	0.8	78T
6AT8A	S	TRI	PND	T6	OSC	SRC	RC	H	6.3	450	250		1.5	100	8	5800	40	6900	2.0	0.5	90W
6AT8A	S	PNO	TRI	T6	MIX	SCO	RC	H	6.3	450	250		2.0	250	8	4600		750K	4.5	0.9	90W
6AU4GTA	S	CIN	SIN	T9	DA	HIP	TS	H	6.3	1800	4K	1000	6.0	15	175				8.5		4CG
6AU5GT		BEA	SIN	T9	PA	RCD	RC	H	6.3	1250	550	400	10.0	115	60	5600		6000	11.3	7.0	6CK
6AU6WA	S+	PND	SIN	T5	IFA	SCO	RC	H	6.3	300	330		3.3	250	8	4500		2M	5.5	5.0	78K
6A7		TRI	TW	T6	AF	RCD	RC	H	6.3	300	300	60	2.8	250	10	2200	17	7700	1.6	0.4	9A
6A8A	S	TRI	PND	T6	GEN	SCO	GE	H	6.3	600	300		2.5	150	9	4900	40	8200	2.6	0.34	9DX
6A8A	S	PND	TRI	T6	GEN	SRC	GE	H	6.3	600	300		3.0	200	15	7000		150K	7.5	3.4	90X
6AV5GA	S	BEA	SIN	T11	HDA	RCD	GE	H	6.3	1200	550	400	11.0	250	57	5900		14K	14.0	7.0	6CK
6AV6	S	DWD	TRI	T5	OET	VAC	NU	H	6.3	300					1						78T
6AV6	S	TRI	DWO	T5	VA	SCO	NU	H	6.3	300	330		0.6	250	1	1600	100	62K	2.2	0.8	78T
6AV11	S	TRI	T9	T9	GEN	RCD	GE	H	6.3	600	330	20	2.8	250	10	2200	17	7700	1.9		128Y
6AW6	08S	PND	SIN	T5	VA	SCO	HY	H	6.3	300	300		2.0	250	7	5000		800K	6.5	1.5	7CM
6AW8A	S	TRI	PND	T6	VA	SCO	SY	H	6.3	600	300		1.0	200	4	4000	70	18K	3.2	0.32	90X
6AW8A	S	PND	TRI	T6	VHF	SRC	SY	H	6.3	600	300		3.2	200	13	9000		400K	10.0	3.6	9DX

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.	
									V	MA	V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICCFARADS IN	OUT		
6AX3	S	DIO	SIN	T9	OA	VAC	GE	H	6.3	1200	5K	1000	5.3			165					7.5	5.5	12BL	
6AX4GT	S+	OIO	SIN	T9	OA	VAC	TS	H	6.3	1200	4K	750	4.8			21	125					5.0	4CG	
6AX5GT	S	DIO	TWN	T9	REC	VAC	RC	H	6.3	1200	1K	375				350	125						6S	
6AX7		TRI	TWN	T6	VA	SCO	SY	H	6.3	300	300	300	1.0			250	1	1600	100	62K	1.6	0.46	9A	
6AX8		TRI	PNO	T6	VA	SRC	*PL	H	6.3	450	300	300	2.7			150	18	8500	40	5000	2.5	1.0	9AE	
6AX8		PNO	TRI	T6	VHF	SRC	*PL	H	6.3	450	300		2.8			250	10	4800		400K	5.0	3.5	9AE	
6AY3A	S	OIO	SIN	T9	OA	VAC	SY	H	6.3	1200	5K	1100	6.5			175						6.5	9HP	
6AY11		OWO	TRI	T9	OET	VAC	GE	H	6.3	690		5											120A	
6AY11		TTR	OWO	T9	AFB	SCO	GE	H	6.3	690	330		1.0			250	1	1900	100	53K	2.0	0.22	120A	
6AZ5		OIO	TWN	T3	GEN	VAC	SY	H	6.3	150	420	24				150	4				1.6		80F	
6AZ8	S	TRI	PNO	T6	OSC	RCO	RC	H	6.3	450	300		2.5			200	13	3300	19	5750	2.0	1.7	9EO	
6AZB	S	PNO	TRI	T6	IFA	SRC	RC	H	6.3	450	300		2.0			200	10	6000		300K	6.5	2.2	9ED	
6B3	OBS	DIO	SIN	T6	OA	VAC	WH	H	6.3	1200	4K	750				22	150					5.3	980	
6B10		OWO	TTR	T9	OET	VAC	GE	H	6.3	600		5											12BF	
6B10		TTR	DWO	T9	OSC	RCO	GE	H	6.3	600	330	20	3.0			250	10	2500	18	7200			12BF	
6BA3		OIO	SIN	T9	OA	VAC	RC	H	6.3	1200	5K	1000	5.3			32	250					4.4	9HP	
6BA4	OBS	TRI	SIN	ROK	UHF		SY	H	6.3	400	200	20				150	10	8000	70					
6BA5	OBS	PNO	SIN	T3	VA	SRC	SY	H	6.3	150	150		0.7			100	6	2200		175K	3.2	1.6	80Y	
6BA6	S	PNO	SIN	T5	RFA	RCO	RC	H	6.3	300	300		3.0			250	11	4400		1M	5.5	5.0	7BK	
6BA7	S	PTG	SIN	T6	CON		RC	H	6.3	300	300	22	2.0			250	4			1M	6.7	8.3	8CT	
6BA8A	S	TRI	PNO	T6	VA	SRC	SY	H	6.3	600	300		2.0			200	8	2700	18	6700	2.5	0.4	9DX	
6BA8A	S	PNO	TRI	T6	VHF	SRC	SY	H	6.3	600	300		3.2			200	13	9000		400K	10.0	3.6	90X	
6BA11		TRI	TWP	T9	VOD	RCO	TS	H	6.3	300	300	20	1.5			250	5	1800	18		2.0	1.9	12ER	
6BA11		TWP	TRI	T9	GA		TS	H	6.3	300	300	12	1.1			100		1700			6.0	3.0	12ER	
6BC4		TRI	SIN	T6	UHF	SRC	RC	H	6.3	225	250	25	2.5			150	14	10000	48	4800	2.9	0.26	9DR	
6BC5	S	PNO	SIN	T5	RFA	SRC	*PL	H	6.3	300	300		2.0			250	8	5700		800K	6.5	1.8	780	
6BC7	S	TRO		T6	DET	HIP	*PL	H	6.3	450	330	54				2	12					3.5	9AX	
6BC8	S	TRI	TWN	T6	CA	SRC	SY	H	6.3	400	250	22	2.2			150	10	6200	35	5300	2.6	1.3	9AJ	
6B04A		BEA	SIN	T12	REG	SRC	RC	H	6.3	600	27K	2	25.0				1	100	2K		3.8	0.4	8FU	
6B06	S	PNO	SIN	T5	IFA	RCO	RA	H	6.3	300	300	14	3.0			250	9	2000		800K	4.3	5.0	7BK	
6B011		TOI	PNO	T9	GEN	SCO	GE	H	6.3	1050	330		1.5			200	7	5500	68	12K	3.0	2.2	120P	
6B011		TOI	PNO	T9	CON	SCO	GE	H	6.3	1050	330		2.0			200	9	4400	41	9400	2.4	3.8	12DP	
6B011		PNO	TDI	T9	VHF	SCO	GE	H	6.3	1050	330		4.0			135	17	10400		45K	11.0	4.6	120P	
6B03	S	OIO	SIN	T9	OA	VAC	GE	H	6.3	1200	5K	1200	6.5									8.0	12BL	
6B06	S	PTG	SIN	T5	CON		RC	H	6.3	300	300	14	1.0			250	3			1M	5.5	8.0	7CH	
6B08	S	TRI	PNO	T6	OSC	SRC	SY	H	6.3	450	300		2.5			150	18	8500	40	5000	2.8	1.5	9EG	
6B08	S	PNO	TRI	T6	MIX	SRC	SY	H	6.3	450	300		2.8			250	10	5200		400K	4.4	2.6	9EG	
6BF5		BEA	SIN	T5	VOA	RCO	*PL	H	6.3	1200	250	120	5.0			110	39	7500		12K	14.0	6.0	78Z	
6BF6	S	OWO	TRI	T5	OET	VAC	RC	H	6.3	300							1						0.7	78T
6BF6	S	TRI	OWO	T5	AFB	RCO	RC	H	6.3	300	300		2.5			250	10	1900	16	8500	1.8	0.7	78T	
6BF7W	OBS	TRI	TWN	T3	GEN	SRC	SY	H	6.3	300	110		1.0			100	8	4800	35	7000	2.0	0.28	80G	
6BF11		PNO	CIS	T9	OET	SCO	GE	H	6.3	1200	330		1.7			150	1	1000		150K				12EZ

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	8ULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.		
									V	MA	V	MA	W	EB V	IB MA	GM UMHD	MU	RP DHMS	IN	OUT			
68F11	PND	Q1S	T9	AFA	GE	H	6.3	1200	165	65	6.5	145	36	8600	30K	13.0	10.0	12EZ					
68F8	D10	SXT	T6	DET	VAC	H	6.3	450	165	11		5						9NX					
68G6GA	BEA	SIN	T12	HDA	RCC	H	6.3	900	700	400	20.0	250	75	6000	25K	11.0	6.0	5BT					
68H3	D10	SIN	T9	DA	VAC	RCC	H	6.3	1600	6K	1100	6.5						9HP					
68H6	S	PND	SIN	T5	RFA	SRC	H	6.3	150	300	3.0	250	7	4600	1M	5.4	4.4	7CM					
68H8	S	TRI	PND	T6	GEN	SRC	H	6.3	600	300	2.5	150	10	3300	17	5150	2.6	0.38	9DX				
68H8	S	PND	TRI	T6	GEN	SRC	GF	6.3	600	300	3.0	200	15	7000	150K	7.0	2.4	90X					
68J3	O10	SIN	T9	DA	VAC	GE	H	6.3	1200	3K	840	4.0	21	250				12BL					
68J6	S	PND	SIN	T5	RFA	RCC	TS	H	6.3	150	300	3.0	250	9	3600	1M	4.5	5.5	7CM				
68J7	S	TRD	T6	DET	VAC	GE	H	6.3	450	330	10		1					9AX					
68J8	DWO	TRI	T6	REC	VAC	SY	H	6.3	600		54		3					9ER					
68J8	TRI	OWD	T6	DSC	RCC	SY	H	6.3	600	330	22	4.0	250	8	2800	20	7150	2.8	0.31	9ER			
68K4	8EA	SIN	T12	REG	SRC	RCC	H	6.3	200	27K	2	25.0		1	200	2K	2.6	1.0	8GC				
68K5	BEA	SIN	T6	PA	SRC	GE	H	6.3	1200	250	9.0	250	37	8500	100K	13.0	5.0	98Q					
68K6	DWS	OWD	TRI	T5	REC	HIP	SY	H	6.3	300			1					7BT					
68K6	DWS	TRI	DWD	T5	VA	SCD	SY	H	6.3	300	300		250	1	1600	100	62K		7BT				
68K7A	S	TRI	TW	T6	CA	SRC	GE	H	6.3	450	300	2.7	150	18	9300	43	4600	3.0	1.0	9AJ			
68L4	D10	SIN	T12	DA	VAC	RCC	H	6.3	3000	4K	1200	8.0	12	200				11.5	8GB				
68L7GTA	S	TRI	TW	T9	VDA	RCC	SY	H	6.3	1500	500	10.0	250	40	7000	15	2150	4.2	0.9	88D			
68L8	S	TRI	PND	T6	CDN	SCD	TS	H	6.3	450	250	1.5	100	14	5000	20	2.5	1.8	90C				
68L8	S	PNO	TRI	T6	CDN	TS	TS	H	6.3	450	250	1.7	170	10	6200	400K	5.5	3.8	9DC				
68N4A	TRI	SIN	T5	VHF	SCD	GE	H	6.3	200	275	22	2.2	150	9	6800	43	6300	3.2	1.4	7EG			
68N6	GTR	SIN	T5	OIS	H	6.3	300	300	12			121	440U					70F					
68NB	DWO	TRI	T6	OET	VAC	SY	H	6.3	600	300	54		3					1.9	9ER				
68NB	TRI	OWD	T6	VHF	SCD	SY	H	6.3	600	330		1.7	250	2	2500	70	28K	3.6	0.25	9ER			
68Q5	8EA	SIN	T6	PA	SRC	SY	H	6.3	760	300	65	12.0	250	50	11300	38K	10.8	6.5	9CV				
68Q6GT	S	8EA	SIN	T9	HDA	RCC	HY	H	6.3	1200	550	400	11.0	250	55	5500	20K	15.0	7.5	6AM			
68Q7A	S	TRI	TW	T6	CA	SCD	RCC	H	6.3	400	250	20	2.0	150	9	6400	38	5900	2.6	1.2	9AJ		
68R3	D10	SIN	T6	DA	VAC	TD	H	6.3	1200	6K	1200	6.5	19	250				8.5	9CB				
68R5	S	TRI	TW	T6	IND	AM	H	6.3	300	300	3	0.2	250	370U									
68R8A	S	TRI	PNO	T6	DSC	SRC	SY	H	6.3	450	300		2.7	150	18	8500	40	5000					
68R8A	S	PNO	TRI	T6	MIX	SRC	SY	H	6.3	450	300		2.8	250	10	5200			400K				
68S3	D10	SIN	T9	OA	VAC	RCC	H	6.3	1200	5K	1100	6.0	12	140				5.0	9FA				
68S8	S	TRI	TW	T6	CA	SCD	WH	H	6.3	400	150	20	2.0	150	10	7200	36	5000	2.6	1.4	9AJ		
68T8	DWS	DWD	PNO	T6	OET	VAC	WH	H	6.3	450			1					1.3	9FE				
68T8	PNO	OWD	T6	IFA	SRC	WH	H	6.3	450	300		2.0	200	10	6200	300K	7.0	2.3	9FE				
68U5	8EA	SIN	T12	REG	SCD	GE	H	6.3	150	20K	2	20.0	20K	1				3.0	0.9	9FE			
68UBA	S	PND	TW	T6	VHF	SCD	CG	H	6.3	300	300	1.1	100	2	1500			6.0	3.0	9FG			
68VB	DWS	OWD	TRI	T6	OET	VAC	GE	H	6.3	600			10					2.4	2.4	9FJ			
68VB	DWS	TRI	OWD	T6	VA	SRC	GE	H	6.3	600	330	2.7	200	11	5600	33	5900	3.6	0.4	9FJ			
68W4	S	D10	TW	T6	REC	VAC	SY	H	6.3	900	1K	350	325	100					90J				
68WB	OWD	PND	T6	DET	VAC	GE	H	6.3	450				5					1.3	9HK				
68WB	PND	OWD	T6	IFA	SRC	GE	H	6.3	450	330		3.0	250	10	5200			4.8	9HK				
68X7GT	S	TRI	TW	T9	VDA	RCC	SY	H	6.3	1500	500	180	10.0	250	42	7600	10	1300	4.4	1.1	800		
68X8	DWS	TRI	TW	T6	VHF	SCD	WH	H	6.3	400	150	20	2.0	65	9	6700	25	2.4	1.25	9AJ			

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.		
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN		OUT	
6BY5GA		CIO	TWN	T12	DA	VAC	SY	H	6.3	1600	3K	525				175					6CN	
6BY6	S	PTG	SIN	T5	GA	SRC	RC	H	6.3	300	300		2.0	250		6	1900			5.4	7-6	7CH
6BY8		DIO	PND	T6	DET	HIP	*PL	H	6.3	600	430	180				45					4-8	9FN
6BY8		PND	DIO	T6	VA	SCO	*PL	H	6.3	600	300		3.0	250		11	5200		1M	5.5	5-0	9FN
6BZ6	S	PND	SIN	T5	IFA	RCD	SY	H	6.3	300	330		2.3	125		14	8000		260K	7.0	2-0	7CM
6BZ7	S	TRI	TWN	T6	CA	SCO	*PL	H	6.3	400	250	20	2.0	150		10	6800	36	5300	2.6	1-2	9AJ
6BZ8	S	TRI	TWN	T6	CA	SRC	*PL	H	6.3	400	250	20	2.2	125		10	8000	45	5600			9AJ
6C4WA	S*	TRI	SIN	T5	OSC	RCD	RC	H	6.3	150	330	28	3-8	250		10	2200	17	7700	1.7	1-1	6BG
6C5	S	TRI	SIN	MT8	GEN	RCD	RC	H	6.3	300	300		2.5	250		8	2000	20	10K	3.0	11-0	6Q
6C6	S	PND	SIN	ST12	GEN	SCO	GE	H	6.3	300	300		0.8	250		2	1200		1M	5.0	6-5	6F
6C9		TET	TWN	T6	VHF	SCO	SY	H	6.3	400	250	20	1.5	125		10	8000		100K			10F
6C10		TRI	T9		GEN		GE	H	6.3	450	330		1.0	250		1	1600	100	62K	1.6		12BQ
6CA4		DIO	TWN	T6	REC	VAC	RE	H	6.3	1000	1K	500				350	150			15.0		9M
6CA5		BEA	SIN	T5	PA	SRC	GE	H	6.3	1200	130		5.0	125		37	9200		15K			7CV
6CA7		PND	SIN	T9	PA	RCD	TS	H	6.3	1500	800	150	25.0	250		100	11000		15K			8ET
6CB5A	S	BEA	SIN	T12	HDA	RCD	RC	H	6.3	2500	800	770	23.0	175		90	8800		5000	22.0	10-0	8GD
6CB6A	S	PND	SIN	T5	IFA	SCO	RC	H	6.3	300	300		2.3	200		10	6200		600K	6.5	2-0	7CM
6CD6GA	S	BEA	SIN	T12	HDA	RCD	GE	H	6.3	2500	700	700	20.0	175		75	7700		7200	22.0	8-5	5BT
6CE5	S	PND	SIN	T5	RFA	SCO	*HY	H	6.3	300	300		2.2	125		11	7600		300K	6.5	1-9	7BD
6CF6	S	PND	SIN	T5	IFA	SCO	PC	H	6.3	300	300		2.0	200		10	6200		600K	6.5	2-0	7CM
6CG7	S	TRI	TWN	T6	GEN	RCD	RC	H	6.3	600	300	20	3.5	250		9	2600	20	7700	2.3	2-2	9AJ
6CG8A	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	250		1.5	100		8	5800	40	6900	2.6	0-05	9GF
6CG8A	S	PND	TRI	T6	MIX	SCO	GE	H	6.3	450	250		2.0	250		8	4600		750K	4.8	0-9	9GF
6CH7	S	TRI	TWN	T6	CA	SCO	GF	H	6.3	400	250	20	2.0	150		10	6800	36	5300	2.4	0-8	9EW
6CH8	S	TRI	PND	T6	GEN	RCD	RC	H	6.3	450	300		2.6	200		13	3300	19	5750	1.9	1-6	9FT
6CH8	S	PND	TRI	T6	GEN	SRC	RC	H	6.3	450	300		2.0	200		10	6200		300K	7.0	2-25	9FT
6CK4		TRI	SIN	T9	VDA	RCD	SY	H	6.3	1250	550	350	12.0	250		40	5500	7	1200	8.0	1-8	8JB
6CL5	S	BEA	SIN	T12	HDA	RCD	SY	H	6.3	2500	700	840	25.0	175		90	6500		6000	20.0	11-5	8GD
6CL6	S	PND	SIN	T6	PA	SCO	RC	H	6.3	650	300		7.5	250		31	11000		150K	11.0	5-5	9BV
6CL8A	S	TRI	TET	T6	OSC	SRC	GE	H	6.3	450	330		2.5	125		14	8000	40	5000	2.8	1-5	9FX
6CL8A	S	TET	TRI	T6	MIX	SRC	GE	H	6.3	450	330		3.0	125		12	6500		200K	5.0	2-0	9FX
6CM6	S	BEA	SIN	T6	PA	RCD	SY	H	6.3	450	315		12.0	250		47	4100		50K	8.0	8-5	9CK
6CM7		TRI	DIS	T6	VDA	RCD	RC	H	6.3	600	500	70	5-5	250		20	4400	18	4100	3.5	0-4	9ES
6CM7		TRI	DIS	T6	VDO	SRC	RC	H	6.3	600	500	70	1.2	200		5	2000	21	10K	2.0	0-5	9ES
6CM8	S	TRI	PND	T6	GEN	SCO	SY	H	6.3	450	300		1.0	250		2	2000	100	50K	1.6	0-22	9FZ
6CM8	S	PND	TRI	T6	GEN	SRC	SY	H	6.3	450	300		2.0	200		10	6200		600K	6.0	2-6	9FZ
6CN7	S	DWD	TRI	T6	DFT	VAC	GE	H	6.3	300						5					3-6	9EN
6CN7	S	TRI	DWD	T6	VA	SCO	GE	H	6.3	300	300		1.0	250		1	1200	70	58K	1.5	0-5	9EN
6CQ4	S	DIC	SIN	T9	DA	VAC	WH	H	6.3	1600	6K	1200	6-5							8.5	11-5	
6CQ8	S	TRI	TET	T6	OSC	SCO	RC	H	6.3	450	300		2-7	125		15	8000	40	5000	2-7	1-2	9GE
6CQ8	S	TET	TRI	T6	MIX	SCO	RC	H	6.3	450	300		2-8	125		12	5800		140K	5-0	3-3	9GE
6CR5	DHS	BEA	SIN	T6	HDA	RCD	WH	H	6.3	1200	600	400	11-0	250		65	6000		18K	12-9	6-9	9HC

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE			EIA BASE NO.
									V	MA	VA	V	VA	h	EB	18 V	GM UMPO	MU	RP DHMS	PICOFARADS IN	DUT	
6CR6		DIO	PND	T5	DET	VAC	TS	H	6.3	300		300			2	250	2200		800K			7EA
6CR6		PND	DIO	T5	AFA	RCO	TS	H	6.3	300		300		2.5	250	10	2200					7EA
6CR8	D8S	TRI	PND	T6	GEN	SRC	SY	H	6.3	450		330		2.8	125	12	4000	22	5500	2.0	1.4	96J
6CR8	O8S	TRI	T6	T6	IFA	SCO	SY	H	6.3	450		330		2.3	125	13	7700		300K	6.0	2.8	96J
6CS5	S	DEA	SIN	T6	PA	RCO	#HY	H	6.3	1200		300		10.0	200	47	8000		28K	15.0	9.0	96R
6CS6	S	PTG	SIN	T5	GA	SCO	SY	H	6.3	300		300		1.0	100	1	1100		1M	5.5	7.5	7CH
6CS7		TRI	DIS	T6	OSC	RCO	SY	H	6.3	600		500		1.2	250	10	2200	17	7700		0.5	9EF
6CS7		TRI	DIS	T6	VDA	RCO	SY	H	6.3	600		500		6.5	250	19	4500	16	3450	3.0	0.5	9EF
6CS8	O8S	TRI	PND	T6	GEN	SRC	SY	H	6.3	450		330		2.8	125	12	4000	22	5500	1.9	0.26	9FZ
6CS8	D8S	PND	TRI	T6	IFA	SCO	SY	H	6.3	450		330		2.3	125	13	7700		300K	6.0	2.8	9FZ
6CU5		8EA	SIN	T5	PA	RCO	RC	H	6.3	1200		135		6.0	120	50	7500		10K	13.0	8.5	7CV
6CU6	S	8EA	SIN	T11	HDA	RCO	#HY	H	6.3	1200		600		11.0	250	57	5900		14K	15.0	7.0	6AM
6CU8	S	TRI	PND	T6	GEN	RCO	RC	H	6.3	450		300		2.6	200	13	3300	19	5750	1.9	1.6	9GM
6CU8	S	PND	TRI	T6	GEN	SRC	RC	H	6.3	450		300		2.0	200	10	6200		300K	7.0	2.4	9GM
6CW4	S	TRI	SIN	MT4	RFA	SCO	RC	H	6.3	130		135		1.5	70	7	12500	68	5440	4.3	1.8	12AQ
6CW5		PND	SIN	T6	AFA	RCO	RE	H	6.3	760		275		14.0	170	70	10000		23K	12.0	6.0	9CV
6CX7	S	TRI	TW	T6	CA	SRC	SY	H	6.3	460		250		2.0	150	9	6400	39		2.4	1.3	9FC
6CX8	S	TRI	PND	T6	GEN	SCO	GE	H	6.3	750		330		2.0	150	9	4600	40	8700	2.2	0.38	9DX
6CX8	S	PND	TRI	T6	VHF	SRC	GE	H	6.3	750		330		5.0	200	24	10000		70K	9.0	4.4	9DX
6CY5	S	TET	SIN	T5	VHF	SCO	WH	H	6.3	200		180		2.0	125	10	8000		100K	4.5	3.0	7EW
6CY7		TRI	DIS	T6	VDA	RCO	GE	H	6.3	750		350		5.5	150	30	5400	5	920	5.0	1.0	9EF
6CY7		TRI	DIS	T6	VDO	SCO	GE	H	6.3	750		350		1.0	250	1	1300	68	52K	1.5	0.3	9EF
6CZ5	S	8EA	SIN	T6	PA	RCO	RC	H	6.3	450		350		12.0	250	48	4800		73K	6.0	6.0	9HN
6D4	S+	TRI	SIN	T5	THY	GAS	SY	H	6.3	250		350		110	300	25			14K	2.2	0.5	5AY
6D10		TRI	T9	T9	GEN	SCO	SY	H	6.3	450		330		2.0	125	4	4200	57		9.0	7.0	128Q
6DA4A		DIO	SIN	T9	DA	VAC	SY	H	6.3	1200		5K		8.0	30	185						4CG
6DA5	S	TRI	TW	T6	IND	SCO	AM	H	6.3	300		300		0.2	250	370U						
6DA7	D8S	TRI	DIS	T6	VDA	RCO	#HY	H	6.3	1000		500		6.0	150	40	5700	6	1100	5.5	0.82	9EF
6DA7	O8S	TRI	DIS	T6	VDO	SRC	#HY	H	6.3	1000		300		2.0	250	9	2600	20	7700	2.0	0.42	9EF
6D85	S	8EA	SIN	T6	VDA	RCO	#HY	H	6.3	1200		300		10.0	200	47	8000		28K	15.0	9.0	9GR
6D86		PND	SIN	T5	VHF	SCO	WH	H	6.3	300		300		3.0	150	6	2000		50K	6.0	5.0	7CM
6DC6		PND	SIN	T5	VA	SRC	RC	H	6.3	300		300		2.0	200	9	5500		500K	6.5	2.0	7CM
6DC8		DWD	PND	T6			RE	H	6.3	300		200		5	800U							9HE
6DC8		PND	DWD	T6			RE	H	6.3	300		300		16	200	11	4500		600K	5.0	5.2	9HE
6DE4	S	DIO	SIN	T9	DA	VAC	RC	H	6.3	1600		5K		6.5	175	175						4CG
6DE6	S	PND	SIN	T5	IFA	SRC	#PL	H	6.3	300		330		2.3	125	16	8000		250K	6.5	2.0	7CM
6DE7	S	TRI	DIS	T6	VDA	RCO	SY	H	6.3	900		275		7.0	150	35	6500	6	925	5.5	1.0	9HF
6DE7	S	TRI	DIS	T6	VDO	RCO	SY	H	6.3	900		330		1.5	250	6	2000	18	8750	2.2	0.52	9HF
6DG6GT	S	8EA	SIN	T9	PA	RCO	RA	H	6.3	1200		200		10.0	200	47	8000		28K	15.0	10.0	7S
6DJ8	S	TRI	TW	T6	CH	SRC	RE	H	6.3	365		130		2.5	90	15	12500	33				9AJ
6DK6	S	PND	SIN	T5	VHF	SCO	PA	H	6.3	300		330		2.3	125	12	9800		350K	6.3	1.9	7CM
6DL5		PND	SIN	T5	PA	SRC	RE	H	6.3	200		300		6.0	250							7DQ
6DM4A	S	DIO	SIN	T9	DA	VAC	WH	H	6.3	1200		5K		6.5	200							4CG

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KINC	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.	
									V	MA	V	MA	W	V	MA	W	E8 V	IB MA	GM UMHO	MU	RP OHMS	PICOFAARS IN		OUT
6DN6 6DN7 6DN7 6QC4 6QC5	S	REA	SIN	T12	HOA	RCO	SY	H	6.3	2500	700	700	15.0	125	70	9000			4000	22.0	11.5	58T		
		TRI	D1S	T9	VDA	RCO	GE	H	6.3	900	550	150	10.0	250	41	7700	15	2000	4.6	1.0	88D			
		TRI	D1S	T9	VDO	RCO	GE	H	6.3	900	350		1.0	250	8	2500	22	9000	2.2	0.7	88D			
		OIO	SIN	T9	DA	VAC	RA	H	6.3	1200	6K	1000	6.0		175					5.0	4CG			
		REA	SIN	T12	PA	RCO	RC	H	6.3	2500	900	1000	24.0	175	110	10500		5500	23.0	11.0	8JC			
6QC6 6DR4 6OR7 6OR7 6OR8	S	8EA	SIN	T12	HOA	RCO	GE	H	6.3	1200	770	610	18.0	250	65	7300		18K	15.0	7.0	6AM			
		TRI	SIN	T5	VA	SCD	#HY	H	6.3	150	330		1.2	250	1	1600	100	62K	1.6	0.46	6BG			
		TRI	D1S	T6	VDA	RCO	SY	H	6.3	900	275	175	7.0	150	35	6500	6	925	5.5	1.0	9HF			
		TRI	D1S	T6	VDO	SCD	SY	H	6.3	900	330	70	1.0	250	1	1600	68	40K	2.2	0.34	9HF			
6DR8 6DS4 6OS5 6DS8 6OS8	S+	DWD	PNO	T6	OET	VAC	RE	H	6.3	300		5									9HE			
		PND	DWO	T6	IFA		RE	H	6.3	300	50		5	25	2	2100		200K			9HE			
		TRI	SIN	MT4	RFA	SRC	RC	H	6.3	135	300	15	1.0	110	7	9000	63	7000	4.3	1.8	12AQ			
6OT4 6OT5 6OT6 6OT8 6OV4	+	BEA	SIN	T5	PA	RCO	RC	H	6.3	800	250		8.0	250	32	5800		28K	9.5	6.3	78Z			
		TRI	PTG	T6	VA	RCO	RE	H	6.3	300	250	6	0.8	25	2	2200	20				9CA			
		PTG	TRI	T6	CON		RE	H	6.3	300	50			25	1	1500		200K			9CA			
		OIO	SIN	T9	DA	VAC	RA	H	6.3	1200	6K	1450	7.5						7.5	10.0	4CG			
		BEA	SIN	T6	VDA	RCO	WH	H	6.3	1200	315	190	9.0	250	38	6200				12.5	4.9	9HN		
6DH4 6OW5 6OX4 6DX8 6OX8	S	PND	SIN	T5	OET	SCD	RC	H	6.3	300	330		1.7	150	1	800		150K	5.8		7EN			
		TRI	TW	T6	RFA	SRC	RC	H	6.3	300	300		2.5	250	10	5500	60	11K	2.7	1.6	9AJ			
		TRI	SIN	MT4	OSC	SCD	RC	H	6.3	135	125	15	1.0		10	11500	35	3100	4.4	1.9	12EA			
		DIO	SIN	T9	OA	VAC	RC	H	6.3	1200	5K	1300	8.5	25	350						6.5	9HP		
		BEA	SIN	T6	PA	RCO	SY	H	6.3	1200	330	225	11.0	200	55	5500		15K	14.0	9.0	9CK			
6OZ4 6DZ7 6DZ8 6DZ8 6DZ8	ORS	TRI	SIN	T5	UHF		WH	H	6.3	200	150	20	2.2	85	10	11000	30	2700	3.7	0.38	70K			
		TRI	SIN	T6	PA	SCD	RE	H	6.3	720	300	12	1.0	200	3	4000	65				9HX			
		PNO	TRI	T6	PA	SCD	RE	H	6.3	720	300	40	4.0	170	18	11000		100K			9HX			
		BEA	TW	T12	PA	RCO	SY	H	6.3	1200	400		15.0	250	50	6000		28K	2.2	1.3	8JP			
		TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	135	20	2.3	80	15	6700	14	2000	2.2	5.0	7DK			
6E5 6EA5 6EA7 6EA7 6EA8	S	PND	TW	T12	PA	SRC	GE	H	6.3	1520	440		13.2	250	48	11300		38K	11.0		8JP			
		TRI	PNO	T6	AFA	SCD	SO	H	6.3	900	150	5	0.8	120	8000	1400					9EX			
		PND	TRI	T6	PA		SO	H	6.3	900	150	60	6.5	145	45	7500					9EX			
		TRI	D1S	T9	IND		RC	H	6.3	300	250			250	2400						6R			
		TET	SIN	T5	VHF	SCD	#PL	H	6.3	200	250	20	3.2	250	10	8000		150K	3.8	2.3	7EW			
6EA7 6EA7 6EA8 6EA8 6EB8	S	TRI	D1S	T9	VOA	RCO	GE	H	6.3	1050	550	50	10.0	175	48	6500	5	770	6.0	1.3	88D			
		TRI	D1S	T9	VDO	SCD	GE	H	6.3	1050	350		1.0	250	2	1900	65	34K	2.2	0.6	88D			
		TRI	PND	T6	OSC	SRC	GE	H	6.3	450	330		3.0	150	18	8500	40	5000	3.0	0.3	9AE			
		PNO	TRI	T6	MIX	SRC	GE	H	6.3	450	330		3.1	125	12	6400		80K	5.0	2.6	9AE			
		OIO	TW	T5	REC	VAC	#PL	H	6.3	300	550	40			6							9AE		
6EB8 6EB8 6EB8 6EC7 6EF6	S	TRI	PND	T6	VA	SCD	SY	H	6.3	750	330		1.0	250	2	2700	100		37K	2.4	0.36	90X		
		PND	TRI	T6	VHF	SRC	SY	H	6.3	750	330		5.0	200	25	12500		75K	11.0	4.2	90X			
		PND	SIN	T6	RFA	SRC	TA	H	6.3	200	250		2.2	175	12	4400					9AQ			
		BEA	SIN	T9	VOA	RCO	RA	H	6.3	900	250	180	10.0	250	50	5000			11.5	9.0	7S			
		PNO	SIN	T5	PA	SCD	RC	H	6.3	1200	135		5.0	110	42	14600		11K	17.0	9.0	7CV			
6EH7 6EH8 6EH8 6EH8 6EH8	S	PND	SIN	T6	IFA		RE	H	6.3	300	250	20	2.5	200	12	12500		500K	10.0	0.9A	9AQ			
		TRI	PNO	T6	OSC	SRC	SY	H	6.3	450	300		2.5	125	14	7500	40		2.8	1.7	9JG			
		TRI	PNO	T6	MIX	SRC	SY	H	6.3	450	300		2.8	125	12	6000		170K	4.8	2.4	9JG			
		PNO	TRI	T6																				

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.	
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT		
6EJ7		PND	SIN	T6	IFA		RE	H	6.3	300	250	25	2.5	200	10	15000			350K	10.0	3.0	9AQ
6EL7		PND	SIN	T6			TA	H	6.3	300	250		3.0	170	10	9200						9AQ
6EM5		BEA	SIN	T6	PA	RCD	RC	H	6.3	800	315	210	10.0	250	35	5100				10.0	5.1	9HN
6EM7	S	TRI	DIS	T9	VDA	RCD	SY	H	6.3	900	330	175	10.0	150	50	7200	5	750		7.0	1.8	8BD
6EM7	S	TRI	DIS	T9	VDO	SCD	SY	H	6.3	900	330	77	1.5	250	1	1600	68	40K		2.2	0.6	8BD
6EQ7		DIO	PND	T6	DET	VAC	RC	H	6.3	300				10	2							9LQ
6EQ7		PND	DIO	T6	RFA	RCD	RC	H	6.3	300	300		3.0	100	9	3800			250K	5.5	5.0	9LQ
6ER5	S	TRI	SIN	T5	VHF	SRC	AM	H	6.3	180	250	20	2.2	200	10	10500	80			4.4	4.0	7FP
6ES5	S	TRI	SIN	T5	AFA	SCD	*PL	H	6.3	200	250	22	2.2	200	10	9000	75	8000		3.2	3.2	7FP
6ES6	S	PND	SIN	T5	RFA	RCD	RE	H	6.3	300	50	15	0.5	25	3	2100			50K			7EN
6ES8		TRI	TW	T6	CA	SRC	RE	H	6.3	365	130	22	1.8	90	15	12500			2500			9AJ
6ET6	S	PND	SIN	T5	GEN	SCD	RE	H	6.3	300	50	15	0.5	25	2	2100			90K			7EN
6ET7		DIO	PND	T6	DET	VAC	SY	H	6.3	900				2								9LT
6ET7		PND	DIO	T6	VHF	SRC	SY	H	6.3	900	330		5.0	200	25	11500			60K	10.0	4.2	9LT
6EU7	+	TRI	TW	T6	AFA	SCD	RC	H	6.3	300	330		1.2	250	1	1600	100		62K	1.6	0.2	9LS
6EU8	S	TRI	PND	T6	OSC	SRC	RA	H	6.3	450	330		3.0	150	18	8500	40	5000		3.0	1.6	9JF
6EU8	S	PND	TRI	T6	MIX	SRC	RA	H	6.3	450	330		3.1	125	12	6400		80K		5.0	2.6	9JF
6EV5		TET	SIN	T5	VHF	SCD	WH	H	6.3	200	275	20	3.2	250	12	8800		150K		4.5	2.9	7EW
6EV7		TRI	TW	T6	DNA	SRC	RC	H	6.3	600	300	20	2.5	250	9	5200	60		12K	0.3	0.33	9LP
6EW6	S	PND	SIN	T5	IFA	SCD	GE	H	6.3	400	330		3.1	125	11	14000		200K		10.0	2.4	7CM
6EW7	S	TRI	DIS	T9	VDA	RCD	SY	H	6.3	900	330	175	10.0	150	45	7500	6	800		7.0	1.2	9HF
6EW7	S	TRI	DIS	T9	VDO	RCD	SY	H	6.3	900	330	77	1.5	250	6	2000	18	8750		2.2	0.4	9HF
6EX6	OBS	BEA	SIN	T12	HDA	RCD	RA	H	6.3	2250	770	220	22.0	175	67	7700		8500		22.0	8.5	5BT
6FY6		BEA	SIN	T9	VDA	RCD	GE	H	6.3	680	350	180	11.0	250	44	4400		60K		8.5	7.0	7S
6EZ5	S	BEA	SIN	T9	VDA	RCD	GE	H	6.3	800	350	75	12.0	250	43	4100		50K		9.0	7.0	7S
6EZ8		TRT		T6	GEN	SRC	GE	H	6.3	450	330		2.0	125	4	4200	57	14K		2.4		9KA
6F6GT	S	PND	SIN	T9	PA	RCD	RC	H	6.3	700	375		11.0	250	36	2500		80K				7S
6FA7		DIO	TET	T6		VAC	PC	H	6.3	300				10	1							9MR
6FA7		TET	DIO	T6		SCD	RC	H	6.3	300	330		1.5	100	4	3200		90K		6.3	1.8	9MR
6FC7		TRI	TW	T6	CA	SCD	MU	H	6.3	340	130	22	1.8	90	15	12000				5.5	4.5	9DD
6FD6		PND	SIN	T5	IFA	SCD	RA	H	6.3	330	30	20		13	1	1400		500K			4.8	78K
6FD7	S	TRI	DIS	T9	VDA	RCD	*PL	H	6.3	925	330	175	10.0	150	40	7500	6	800		6.5	1.2	9HF
6FD7	S	TRI	DIS	T9	VDO	SCD	*PL	H	6.3	925	330	70	1.5	250	1	1600	64	40K		2.2	0.40	9HF
6FE5		BEA	SIN	T9	AFA	RCD	RC	H	6.3	1200	175		14.5	130	88	9500		8000		15.0	9.0	8KB
6FG5		PND	SIN	T5	VHF	SCD	GE	H	6.3	200	275	20	2.8	250	9	9500			250K	4.2	2.8	7GA
6FG6		TRI	SIN	T6	IND		RE	H	6.3	270	300	3	0.5	250	2							
6FG7		TRI	PND	T6	OSC	SCD	GE	H	6.3	450	330		2.5	125	13	7500	43	5700		3.0	1.3	9GF
6FG7		PND	TRI	T6	MIX	SRC	GE	H	6.3	450	330		3.0	125	11	6000		180K		5.0	2.4	9GF
6FH5		TRI	SIN	T5	VHF	SCD	*PL	H	6.3	200	150	22	2.2	135	11	9000		5600		3.2	3.2	7FP
6FH6	OBS	BEA	SIN	T12	HDA	RCD	SY	H	6.3	1200	770	500	17.0	250	75	6000		12K		33.0	8.0	6AM
6FH8		TRI	TET	T6	OSC	SCD	RC	H	6.3	450	275		1.7	100	8	5400	40	7400		1.4	2.6	9KP

TUBE TYPE NUMBER	CODE	KINO	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	CUT		
6FH8		TET	TRI	T6	VA	SC0	RC	H	6.3	450	275			250	7	4400		750K	4.5	1.4	9KP	
6FJ7		TRI	OIS	T9	VDA	RC0	GE	H	6.3	900	550	150	10.0	250	41	7700	15	2000	4.0	0.54	128M	
6FJ7		TRI	OIS	T9	V00		GE	H	6.3	900	350		1.0	250	8	2500	22	9000	2.2	0.48	128M	
6FK5		TRI	SIN	T5	RFA		SY	H	6.3	190	200	22	2.3	135	12	15000	75	5000	4.4	2.6	7GM	
6FM7		TRI	OIS	T9	VDA	RC0	GE	H	6.3	1050	550	50	10.0	175	40	6000	6	920	7.0	1.1	12EJ	
6FM7		TRI	OIS	T9	V00	SC0	GE	H	6.3	1050	350		1.0	250	2	2200	66	30K	2.4	0.4	12EJ	
6FM8		DWD	TRI	T6	OET	VAC	GE	H	6.3	450		5									9KR	
6FM8		TRI	DW0	T6	AFA	SC0	GE	H	6.3	450	330		1.1	250	1	1200	70	58K	1.5	0.16	9KR	
6FN5		PNO	SIN	T12	HOA	RC0	CI	H	6.3	1650	250	700	16.0	100		17000		3500	25.0	11.0	8G0	
6FQ5A	S	TRI	SIN	T5	VHF	SC0	SY	H	6.3	180	200	22	2.5	135	9	12000	74	6300	5.0	3.5	7FP	
6FQ7		TRI	TW	T6	GEN	RC0	RC	H	6.3	600	330	22	4.0	250	9	2600	20	7700			9LP	
6FR7		TRI	OIS	T9	VDA	RC0	SY	H	6.3	925	330	175	10.0	150	50	7200	5	750	7.5	1.2	9HF	
6FR7		TRI	OIS	T9	V00	SC0	SY	H	6.3	925	330	77	1.5	250	1	1600	68	40K	2.4	0.30	9HF	
6FS5		BEA	SIN	T5	RFA	SC0	GE	H	6.3	200	300	20	3.2	275	10	10000		240K	4.8	2.0	7GA	
6FV6		TET	SIN	T5	RFA	SC0	RC	H	6.3	200	300	20	2.0	125	10	8000		100K	4.5	3.0	7FQ	
6FV8A	S	TRI	PNO	T6	V00	SC0	WH	H	6.3	450	330	70	2.0	125	12	8000	45	5600	2.8	1.5	9FA	
6FV8A	S	PNO	TRI	T6	GEN	SC0	WH	H	6.3	450	330		2.3	125	12	6500		200K	5.0	2.0	9FA	
6FW5		BEA	SIN	T12	HDA	RC0	GE	H	6.3	1200	770	550	17.5	250	75	6600		20K	17.0	7.0	6CK	
6FW7		TRI	OIS	T3	MIX	SC0	TO	H	6.3	300	150	20		90	7	6000	36	6000	2.6	1.8	8LM	
6FW7		TRI	DIS	T3	OSC	SC0	TO	H	6.3	300	150	20		90	9	9500	36	3800	3.0	1.4	8LM	
6FW8	S	TRI	TW	T6	RFA	SC0	RC	H	6.3	400	250	22	2.2	125	15	12500	33	2600	3.4	2.4	9AJ	
6FX7		TRI	TW	T3	AFA	SC0	TO	H	6.3	300	100	20	1.7	90	9	9500	36	3800	5.5	2.95	8LK	
6FY5	S	TRI	SIN	T5	VHF	RC0	AM	H	6.3	200	200	20	2.2	135	11	13000	70		4.75	3.3	7FP	
6FY7		TRI	OIS	T9	VDA	RC0	GE	H	6.3	1050	275	50	7.0	150	45	7500	6	800	6.5	1.2	12E0	
6FY7		TRI	OIS	T9	V00	SC0	GE	H	6.3	1050	330	20	1.0	250	1	1600	65	40K	2.2	0.4	12E0	
6FY8		TRI	PNO	T6	VA		#HY	H	6.3	1200	150		1.0	125	2	2000					9EX	
6FY8		PNO	TRI	T6	HF		#HY	H	6.3	1200	150		8.0	125	50	7500					9EX	
6G11		PNO	DIS	T9	AFA	SC0	GE	H	6.3	1200	330		1.7	150	1	1000		150K	12.0	12.0	128U	
6G11		PNO	OIS	T9	OET	SC0	GE	H	6.3	1200	150	65	6.5	120	50	7500		10K			128U	
6GA7		DIO	PNO	T12	OA	VAC	RA	H	6.3	2260	6K	140	5.0								12EB	
6GA7		PNO	OIO	T12	PA	RC0	RA	H	6.3	2260	770	150	15.0	250	75	6600		20K			12EB	
6GA8		TRI	TW	T6	GEN		TA	H	6.3	300	250		2.0			3400	18				9AJ	
6GB5		BEA	SIN	T9	PA	SC0	AM	H	6.3	1380	275	275	6.0	75	440						9NH	
6GC5		BEA	SIN	T9	PA		SY	H	6.3	1200	220		12.0	200	47	8000		28K	18.0	7.0	9EU	
6GC6		BEA	SIN	T12	HOA	RC0	RA	H	6.3	1200	770	550	17.5	250	345	6600		20K	15.0	7.0	8JX	
6G07		TRI	PNO	T6	OSC	SC0	SY	H	6.3	380	125	16	2.2	125	15	10000	47	4700	3.0	1.2	9GF	
6G07		PNO	TRI	T6	MIX	SC0	SY	H	6.3	380	250	20	2.2	170	10	12000		350K	6.0	3.5	9GF	
6GE5		BEA	SIN	T12	HOA	RC0	GE	H	6.3	1200	770	550	17.5	250	75	6600		20K	16.0	7.0	128J	
6GE8	S	TRI	PNO	T6	REG	HIP	WH	H	6.3	900	275	175	7.0	150	35	5000	5	1080	5.5	1.3	9LC	
6GE8	S	PNO	TRI	T6	VA	SC0	WH	H	6.3	900	330		1.0	150	6	3200		340K	8.0	2.4	9LC	
6GF5		BEA	SIN	T9	HOA	RC0	GE	H	6.3	1200	770	500	9.0	250	34	4700		260K	16.0	7.5	128J	
6GF7		TRI	DIS	T9	VDA	RC0	RC	H	6.3	985	330	50	11.0	150	50	7200	5	750	6.5	1.4	9G0	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	HULB	USE	TU8E CHAR	REG	K TYPE	TYPICAL CHARACTERISTICS				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE		EIA BASE NO.						
									FILAMENT		V		V		V		E8		IB		GM			MU		RP		PICOFARADS IN	OUT
									V	MA	V	MA	V	MA	W	V	MA	V	MA	UMF-D	OHMS	IN		OUT					
6GF7		TRI	D1S	T9	VDO	SCD	RC	H	6.3	985	330	22	1.5	250	1	1600	64	40K		2.4	0.26	9QD							
6GH8	S	TRI	PND	T6	VA	SRC	GE	H	6.3	450	330		2.5	125	14	8500	46	5400		3.4	0.3	9AE							
6GH8	S	PND	TRI	T6	OSC	SRC	GE	H	6.3	450	350	20	2.5	125	12	7500		200K		5.5	2.6	9AE							
6GH8A		TRI	PND	T6	VA	SRC	PC	H	6.3	450	330		2.5	125	14	8500	46	5400		3.0	1.4	9AE							
6GH8A		PND	TRI	T6	OSC	SCD	RC	H	6.3	450	350	20	2.5	125	12	7500		200K		5.0	3.4	9AE							
6GJ5	S	BEA	SIN	T12	HDA	HIP	RC	H	6.3	1200	770	550	17.5	250	70	7100		15K		15.0	6.5	9QK							
6GJ8		TRI	PND	T6	VA	SRC	SY	H	6.3	600	330		2.5	125	14	8500		5000		3.4	1.6	9AE							
6GJ8		PND	TRI	T6	OSC	SCD	SY	H	6.3	600	330		2.5	125	12	7500		150K		8.0	2.4	9AE							
6GK5	S	TRI	SIN	T5	VHF	SCD	SY	H	6.3	180	200	22	2.5	135	12	15000	78	5400		5.0	3.5	7FP							
6GK6		PND	SIN	T6	AFA		SY	H	6.3	760	250	65	13.2	250		11300		38K		10.0	7.0	9GK							
6GK7		PND	SIN	T6	IFA		CG	H	6.3	300	330		2.8	270	8	9500		750K		8.5	3.3	9AQ							
6GL7	S	TRI	D1S	T9	VDA	HIP	GE	H	6.3	1050	550	50	10.0	175	46	6400	5	780		6.0	1.3	88D							
6GL7	S	TRI	D1S	T9	VDO	SCD	GE	H	6.3	1050	350		1.0	250	2	2200	66	30K		2.2	0.6	88D							
6GM5		BEA	SIN	T9	PA		SY	H	6.3	800	550	85	19.0	300	60	10200		29K		9.0	4.0	9PX							
6GM6		PND	SIN	T5	IFA	SRC	RC	H	6.3	400	330		3.1	125	14	13000		200K		10.0	2.4	7CM							
6GM8		TRI	TWN	T6	RFA		RE	H	6.3	330	30	20	0.6	25	8	7800		2100				9DE							
6GN6		D1D	PND	T5	DET	VAC	RV	H	6.3	300	300		3.0	250	11	4400		1M		5.5	5.0	7FW							
6GN6		PND	D1D	T5	IFA	RCD	RV	H	6.3	300	300		3.0	250	11	4400		1M		5.5	5.0	7FW							
6GN8	S	TRI	PND	T6	VA	SCD	SY	H	6.3	750	330		1.0	250	2	2700	100	37K		2.4	0.36	9DX							
6GN8	S	PND	TRI	T6	IFA	SRC	SY	H	6.3	750	330		5.0	200	25	11500		60K		11.0	4.2	9DX							
6GQ7		TRD	TWN	T6	DET	VAC	RA	H	6.3	450	330	54		117	54					6.0	3.2	9AX							
6GS8	S	PND	TWN	T6	SCD	SCD	SY	H	6.3	300	300	12	1.1	100	8	1200		15K		15.0	6.5	9NZ							
6GT5	S	BEA	SIN	T12	PA	HIP	RC	H	6.3	1200	770	550	17.5	250	70	7100		165K		7.0	3.2	7GA							
6GU5		BEA	SIN	T5	RFA	SCD	GE	H	6.3	220	300	20	3.0	275	10	15500		18K		16.0	7.0	12DR							
6GV5		BEA	SIN	T12	HDA	RCD	GE	H	6.3	1200	770	175	17.5	250	65	7300													
6GV8		TRI	PND	T6	VA		AM	H	6.3	900	250	15	0.5	100	5	6500	50	7600				9LY							
6GV8		PND	TRI	T6	VA		AM	H	6.3	900	250	75	7.0	170	41	7500		25K				9LY							
6GW5		TRI	SIN	T5	VHF	SCD	SY	H	6.3	190	200	25	2.5	135	12	15000	70	5800		5.5	4.0	7GK							
6GW6	S	BEA	SIN	T12	PA	RCD	RC	H	6.3	1200	770	550	18.0	250	70	7100		15K				6AM							
6GW8	S	TRI	PND	T6	AFA		AM	H	6.3	700	300	8	0.5	250	1	1600	100			2.0	1.8	9LZ							
6GW8	S	PND	TRI	T6	AFA		AM	H	6.3	700	300	55	9.0	250	36	10000		45K		10.0	9.5	9LZ							
6GX6	S	PND	SIN	T5	SCD	SCD	RC	H	6.3	450	300		1.7	150	4	3700		140K				7EN							
6GY5		BEA	SIN	T12	HDA	RCD	GE	H	6.3	1500	770	230	80.0	130	50	9100		11K		22.0	9.0	12DR							
6GY6	S	PND	SIN	T5	GEN	SCD	RC	H	6.3	450	330		5.0	150	4	3700		140K				7EN							
6GY8		TRT	TWN	T6	GEN	SCD	GE	H	6.3	450	330		5.0	125	4	4500		14K		5.0	1.6	9MB							
6H6GT		D1D	TWN	T9	REC	VAC	#HY	H	6.3	300	420	48		117	8							7Q							
6HA5		TRI	SIN	T5	RFA		AM	H	6.3	180	220	22	2.6	135	12	14500	72												
6H85		BEA	SIN	T12	HDA	RCD	GE	H	6.3	1500	770	3500	18.0	130	50	9100		11K		22.0	9.0	12JB							
6H86		PND	SIN	T6	VDA	SRC	RA	H	6.3	760	350		10.0	250	40	20000		24K		13.0	8.0	9NW							
6HC8		TRI	PND	T9	VDO	SCD	SY	H	6.3	1200	330		1.0	250	1	2000	68	34K		3.0	2.6	9EX							
6HC8		PND	TRI	T9	VDA	RCD	SY	H	6.3	1200	350		11.0	250	38	5100		55K		10.0	8.0	9EX							
6HD5		BEA	SIN	T12	HDA	RCD	RA	H	6.3	2250	770	280	24.0	135	65	10000		5000				12ES							
6HE5		BEA	SIN	T9	VDA	RCD	GE	H	6.3	800	350	75	12.0	250	43	4100		50K		9.5	7.0	12EY							
6HF8	S	TRI	PND	T6	GEN	SRC	RC	H	6.3	750	330		1.0	200	4	4000	70	18K		2.8	2.6	9DX							
6HF8	S	PND	TRI	T6	GEN	SCD	RC	H	6.3	750	330		5.0	200	25	12500		75K		10.0	4.2	9DX							

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS					TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.	
									V	MA	V	MA	W	EB V	IB MA	GM UMPO	MU	RP DHMS	PICCOFARADS IN	CUT				
6HG8		TRI	PND	T6	OSC	SCD	MU	H	6.3	340	125	15	1.5	100	14	6000	17			350K	6.0	3.6	9MP	
6HG8		PND	TRI	T6	CON	SCD	MU	H	6.3	340	250	18	2.0	150	10	12000							9MP	
6HJ8		DIO	PND	T6	DET	VAC	*PL	H	6.3	450				10	50								9CY	
6HJ8		PND	DIO	T6	IFA		*PL	H	6.3	450	330		3.2	125	12	9300				200K	7.0	3.2	9CY	
6HK8		TRI	TWN	T6	CA	SCD	TO	H	6.3	400	150	20	2.0	90	8	8000	36			4500	3.3		9DE	
6HL8		TRI	PND	T6	GEN		SY	H	6.3	600	330		2.5	125	13	7000	40			5000	2.8	1.6	9AE	
6HL8		PND	TRI	T6	IFA	SCD	SY	H	6.3	600	330		2.5	125	12	10000				150K	7.5	2.3	9AE	
6HM6		PND	SIN	T6	IFA	SCD	WH	H	6.3	300	250	25	2.5	125	13	15000				220K	8.7	2.1	9PM	
6HQ6		PND	SIN	T5	IFA	SRC	RV	H	6.3	300	330		2.4	125	15	10500				500K	8.8	5.2	78K	
6HR6	S	PND	SIN	T5	GEN	SRC	RC	H	6.3	450	300		3.0	200	13	8500								
6HS6	S	PND	SIN	T5	GEN	SCD	RC	H	6.3	450	300		3.0	150	9	9500								
6HS8	S	PND	TWN	T6	IFA	SCD	GE	H	6.3	300	300	12	1.1	100	2	1100								
6HT6		PND	SIN	T6	IFA	SRC	WH	H	6.3	300	250	25	2.5	125	15	14000				143K				
6HU6		TRI	DIS	T6	IND		AM	H	6.3	300	300	5	0.6	250	200U									
6HU8		PND	TWN	T6	IFA		LR	H	6.3	550	300	40	6.0	250	26	6000				80K	7.0	4.5	9NJ	
6HW8		SH8	SIN	T6	DET	SRC	GE	H	6.3	300	330	30	2.0	250	13	4000								
6HZ6		PND	SIN	T5	GEN	SCD	RC	H	6.3	450	300		1.7	150	3	3400				110K	8.2	4.4	9NQ	
6HZ8		TRI	PND	T9	OSC	SCD	*PL	H	6.3	1125	300		1.0	200	4	4000	70				3.8	0.40	7EN	
6HZ8		PND	TRI	T9	VHF	SRC	*PL	H	6.3	1125	330		8.0	250	29	12600				140K	12.0	5.0	9DX	
6J44A	S+	TRI	SIN	T5	UHF	SCD	RC	H	6.3	400	150	20	2.2	150	15	12000	55			4500				
6J5GT		TRI	SIN	T9	GEN	RCD	*HY	H	6.3	300	330	20	2.8	250	9	2600	20			7700				
6J6	S	TRI	TWN	T5	REA	SCD	RC	H	6.3	450	300	15	1.5	100	8	5300	38			7100	2.2	0.4	78F	
6J7GT	S	PND	SIN	T9	VA	SCD	*HY	H	6.3	300	300		0.8	250	2	1200				1M	4.6	12.0	7R	
6J9		TRI		T6	VHF	SCD	SY	H	6.3	450	330		2.0	125	6	5200	57			11K	2.6	1.3	10G	
6J11		PND	TWN	T9	IFA	SCD	GE	H	6.3	800	330		3.1	125	11	13000				200K	11.0	3.0	128W	
6JA8		TRI	TET	T6	GEN	SCD	WH	H	6.3	750	300		1.0	200	4	4000	70			17K	2.5	0.4	9QF	
6JA8		TET	TRI	T6	IFA	SCD	WH	H	6.3	750	330		5.0	200	18	14000				7000	11.0	4.8	9QF	
6J86		BEA	SIN	T12	HDA	RCD	RC	H	6.3	1200	770	175	17.5	250	70	7100				150K	15.0	6.0	9QL	
6J88		TRI	PND	T6	IFA	RCD	RA	H	6.3	600	330		2.4	250		2200	17			7700			9AE	
6J88		PND	TRI	T6	IFA	SRC	RA	H	6.3	600	330		3.0	250		1600				1M			9AE	
6JC8		TRI	PND	T6	OSC	SCD	SY	H	6.3	450	275		1.7	125	12	6500	40			6000	2.8	4.4	9PA	
6JC8		PND	TRI	T6	MIX	SCD	SY	H	6.3	450	275		2.3	125	9	5500				300K	4.8	0.9	9PA	
6JE6		BEA	SIN	T12	HDA	RCD	RC	H	6.3	2500	990	315	24.0	175	315	10500				5500	21.0	11.0	9QL	
6JE8	S	TRI	PND	T6	VA	SCD	*PL	H	6.3	780	300		1.0	200	4	4200	70				2.4	0.4	9DX	
6JE8	S	PND	TRI	T6	VHF	SRC	*PL	H	6.3	780	330		5.0	250	22	12000				140K	10.0	3.6	9DX	
6JF8		DIO	PND	T12	DA	VAC	RA	H	6.3	2400	4K	825	5.0											
6JF8		PND	DIO	T12	VDA	RCD	RA	H	6.3	2400	770	500	15.0	250	75	6600				20K				
6JH8	S	SH8	SIN	T6	DET	SCD	GE	H	6.3	300	330	33	3.0	250	14									
6JK8		TRI	DIS	T6	OSC	SCD	SY	H	6.3	400	165	22	1.0	100	5	6800	55			8000	5.0	4.0	9DP	
6JK8		TRI	DIS	T6	RFA	SCD	SY	H	6.3	400	200	22	2.0	135	10	13000	70			5400	3.0	1.0	9AJ	
6JN8	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	300		2.5	125	14	8500	46			5400	3.2	2.2	9FA	
6JN8	S	PND	TRI	T6	VA	SRC	GE	H	6.3	450	300			125	12	7500				200K	5.5	3.4	9FA	
6JT8		TRI	PND	T9	VA	SCD	SY	H	6.3	725	330		1.0	250	2	2700	100				37K	1.7	1.6	9DX
6JT8		PND	TRI	T9	IFA	SCD	SY	H	6.3	725	330		4.0	200	17	20000				50K	13.0	3.0	9DX	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR.	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.			
									V	MA	V	MA	W	E8 V	18 MA	GM UMHO	MU	RP OHMS	IN		OUT		
6J08		DIO	QUA	T6	GEN	VAC	RC	H	6.3	600	300	54			1.1	200	9	4000	70	18K	3.0	2.0	9PQ
6J08	S	TRI	PND	T6	IFA	SCO	TS	H	6.3	600	330				4.0	200	4	10700		150K	8.0	3.2	9DX
6J08	S	PND	TRI	T6	VHF	SRC	TS	H	6.3	600	330				2.0	150	22	1900	22	11K	2.2	0.7	12D2
6J28		TRI	PND	T9	VDO	SRC	GE	H	6.3	1200	250	70			7.0	120	46	7100		12K	11.0	7.0	12D2
6J28		PND	TRI	T9	VDA	RCO	GE	H	6.3	1200	250	70			7.0	120	46	7100		12K	11.0	7.0	12D2
6K6GT	S	8EA	SIN	T9	PA	RCO	#HY	H	6.3	450	315				8.5	250	33	2300		90K	3.5	6.0	7S
6K7GT		PND	SIN	T9	VA	RCO	#HY	H	6.3	300	300				2.8	250	10	1600		600K	4.6	12.0	7R
6K11	S	TRI	T9	T9	GEN	GE	GE	H	6.3	600	330	20			0.3	250	1	1600	100	62K			128Y
6KA8		TRI	PND	T6	IFA	SCO	RC	H	6.3	600	300				1.1	200	4	4000	70	18K			9PV
6KA8		PND	TRI	T6	GA	SCO	RC	H	6.3	600	300				2.0	150	4	4400		100K			9PV
6K08		TRI	PND	T6	OSC	SRC	SY	H	6.3	400	330				2.5	125	14	7500	40		2.8	1.5	9AE
6K08		PND	TRI	T6	MIX	SRC	SY	H	6.3	400	330				3.0	125	10	5000		200K	5.0	2.6	9AE
6KE8	+	TRI	PND	T6	OSC	SRC	RC	H	6.3	400	280	20			1.0	100	13	8000	40	5000	2.4	2.0	9DC
6KE8	+	PND	TRI	T6	MIX	SCO	RC	H	6.3	400	280	20			1.1	100	10	12000		125K	5.0	3.4	9DC
6KF8	S	PND	TWN	T6	VHF	SCO	RA	H	6.3	300	300	12			1.1	100	3	1800			6.0	3.0	9FG
6KL8		DIO	PND	T6	DET	VAC	RC	H	6.3	300	300				3.0	100	1	4300		550K	6.0	5.0	9LQ
6KL8		PND	DIO	T6	IFA	SCO	RC	H	6.3	300	300				3.0	100	6	4300					9LQ
6KM8		DIO	TET	T6	HF	VAC	RC	H	6.3	300	300				1.0	100	1	3400		30K			9QG
6KM8		TET	DIO	T6	HF	SRC	RC	H	6.3	300	330				2.2	110	4	3400	45	2800			9AJ
6KN8	S	TRI	TWN	T6	VHF	SCO	HI	H	6.3	400	220	22			2.2	110	16	16000					
6KS8	S	TRI	PND	T6	GEN	SCO	SY	H	6.3	833	330				1.1	200	4	4000	70	18K	3.2	1.8	9DX
6KS8	S	PND	TRI	T6	AFA	SRC	SY	H	6.3	600	330				3.8	150	20	9500		150K	10.0	3.6	9DX
6KT8		TRI	PND	T6	VA	SCO	SY	H	6.3	600	330				1.0	250	2	3200	100	32K	3.2	1.6	9QP
6KT8		PND	TRI	T6	IFA	SRC	SY	H	6.3	600	330				2.5	125	12	10000		150K	7.5	2.2	9QP
6L6WG8	S+	8EA	SIN	T12	PA	RCO	SY	H	6.3	900	360				19.0	350	66	5200		33K	11.5	9.5	7S
6M3		DIO	SIN	T12	DA	VAC	#PL	H	6.3	3000	6K 1000				8.0		320						8GV
6M11		TTR	PND	T9	CON	SCO	GE	H	6.3	750	330				2.2	125	7	7000	70	10K	3.4	0.8	12CA
6M11		PND	TTR	T9	CON	SCO	GE	H	6.3	750	330				3.1	125	11	13000		200K	12.0	2.8	12CA
6Q11	S	TRI	T9	T9	CON	SRC	TS	H	6.3	600	330				3.0	150	22	2500	18	7000	1.9	1.7	128Y
6Q11	S	TRI	T9	T9	GA	SCO	TS	H	6.3	600	330				3.0	150	22	2500	18	7000	1.9	1.7	128Y
6S4A		TRI	SIN	T6	VA	RCO	RC	H	6.3	600	500	105			7.5	250	26	4500	16	3600	4.2	0.9	9AC
6SA7GT	S	PTG	SIN	T9	CON	CON	TS	H	6.3	300	300	14			1.0	250	4			1M	8.0	11.0	8AD
6SCTGT	S	TRI	TWN	MT8	AFA	SCO	RC	H	6.3	300	250				4.0	250	2	1300	70	53K	2.0	3.0	8S
6SD7GT		PND	SIN	T9	RFA	SRC	TS	H	6.3	300	300				4.0	250	6	3600		1M	9.0	7.5	8N
6SF7		DIO	PND	MT8	DET	VAC	RC	H	6.3	300	300				4.0	250	1						7AZ

TUBE TYPE NUMBER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAR.	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.
									V	MA	V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP DHMS	IN	DUT	
6SF7		PND	DID	MT8	AFA	RCD	RC	H	6.3	300	300		3.5	250	12	2000			700K	5.5	6.0	7AZ	
6SG7	S	PND	SIN	MT8	IFA	RCD	RC	H	6.3	300	300		3.0	250	12	4700			900K	8.5	7.0	88K	
6SH7GT	S	PND	SIN	T9	RFA	SCD	TS	H	6.3	300	300		3.0	250	11	4900			900K	8.5	7.0	88K	
6SJ7WGT	S+	PND	SIN	MT8	RFA	SRC	RC	H	6.3	300	300		2.5	250	3	1600			1M	6.0	7.0	8N	
6SK7WA	S*	PND	SIN	MT8	RFA	RCD	RC	H	6.3	300	330		3.3	250	9	2000			800K	5.0	7.0	8N	
6SL7WGT	S+	TRI	TWN	T9	VA	SCD	RC	H	6.3	300	250		1.0	250	2	1600	70	44K				88D	
6SN7GT8	S+	TRI	TWN	T9	GEN	RCD	RC	H	6.3	600	450	70	5.0	250	9	2600	20	7700	2.2	0.7		88D	
6SQ7GT		DWD	TRI	T9	DET	VAC	#HY	H	6.3	300					1							8Q	
6SQ7GT		TRI	DWD	T9	VA	SCD	#HY	H	6.3	300	300		0.5	250	1	1200	100	85K	4.2	3.4		8Q	
6SU7GT	S	TRI	TWN	T9	RFA	SCD	TS	H	6.3	300	250		1.0	250	2	1600	70	44K				88D	
6T4	S	TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	200	30	3.5	80	18	7000	13	1860	2.9	0.25		70K	
6T8A	S	TRD	TRI	T6	DET	HIP	GE	H	6.3	450					5							9E	
6T8A	S	TRI	TRD	T6	AFA	SCD	GE	H	6.3	450	300		1.0	250	1	1200	70	58K	1.6	1.1		9E	
6U5	S	TRI	DIS	T9	IND		RA	H	6.3	300	285		1.0	250	240U							6R	
6U8A	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	300		2.7	150	18	8500	40	5000	2.5	0.4		9AE	
6U8A	S	PND	TRI	T6	MIX	SRC	GE	H	6.3	450	300		2.8	250	10	5200		400K	5.0	2.6		9AE	
6V3A		DID	SIN	T6	DA	VAC	#PL	H	6.3	1750	6K	800	2.7	13	135							98D	
6V6GT	S	8EA	SIN	T9	PA	RCD	#HY	H	6.3	450	315		12.0	250	47	4100		50K	9.0	7.5		7S	
6V8	S	TRD	TRI	T6	DET	HIP	#PL	H	6.3	450					10							9AH	
6V8	S	TRI	TRD	T6	VA	SCD	#PL	H	6.3	450	300		1.0	250	1	1200	70	58K				9AH	
6W4GTA	S+	DID	SIN	T9	DA	VAC	GE	H	6.3	1200	4K	840	4.0	13	140							4CG	
6W6GT	S	8EA	SIN	T9	PA	RCD	#HY	H	6.3	1200	300	180	10.0	200	47	8000		28K	15.0	9.0		7S	
6X4WA	S	DID	TWN	T5	REC	VAC	TS	H	6.3	600	1K	230		325	70							58S	
6X5GT	S+	DID	TWN	T9	REC	VAC	#HY	H	6.3	600	1K	210		325	70							6S	
6X8A	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	250		1.5	100	8	5800	40	6900	2.0	0.5		9AK	
6X8A	S	PND	TRI	T6	MIX	SRC	GE	H	6.3	450	250		2.0	250	8	4600		750K	4.3	0.7		9AK	
6Y6GA	S	8EA	SIN	T12	PA	RCD	SY	H	6.3	1250	200		12.5	200	66	7100		18K	12.0	7.5		7S	
7A5		8EA	SIN	T9	PA	RCD	#PL	H	6.3	750	125		5.5	110	41	5800		14K				6AA	
7A6	S	DID	TWN	T9	REC	VAC	#PL	H	6.3	150	420	48		150	8							7AJ	
7AT	S	PND	SIN	T9	RFA	RCD	#PL	H	6.3	300	300		4.0	250	9	2000		800K	5.5	7.0		8V	
7AK7	S	PND	SIN	T9	GA	RCD	SY	H	6.3	800	200		8.5	150	40	6000		12K	12.0	9.5		8V	
7AU7		TRI	TWN	T6	AFA	RCD	GE	H	7.0	300	300	60	2.8	250	10	2200	17	7700	1.6	0.4		9A	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT	
785	S	PND	SIN	T9	PA	RCD	RA	H	6.3	400	315		8.5			250	33	2300		90K	5.5	6.0	6AE
787		PND	SIN	T9	RFA	RCD	*PL	H	6.3	150	300		2.2			250	8	1800		750K	5.0	6.0	8V
788		PTC	SIN	T9	CON		RA	H	6.3	300	300	14	1.0			250	4			360K	5.0	9.0	8X
7C5		8EA	SIN	T9	PA	RCD	RA	H	6.3	450	315		12.0			250	47	4100		52K			6AA
7C7		PND	SIN	T9	VA	SCD	SY	H	6.3	150	300		1.0			250	2	1300		2M	5.5	6.5	8V
70J3		TRI	TWN	T6	CA	SRC	RE	H	7.0	300	130	25	1.8			90	15	12500	33				9AJ
7E07		PNO	SIN	T6	VHF		TA	H	7.3	300	250		3.0			170	10	8800					9AQ
7E07		TRI	TWN	T6	OSC	SCD	TA	H	7.0	300	250	16	2.0			90	15	9000	26				9DD
7E58		TRI	TWN	T6	CA	SRC	RE	H	7.2	300	130	22	1.8			90	15	12500		2500			9AJ
7EY6		8EA	SIN	T9	VDA	RCD	GE	H	7.2	600	350	180	11.0			250	44	4400		60K	8.5	7.0	7S
7F8W	+	TRI	TWN	T9	RFA	SRC	SY	H	6.3	300	300		3.2			250	10	5200	50		2.8	1.7	88W
7FC7		TRI	TWN	T6	CA	SCD	MU	H	7.2	300	130	22	1.8			90	15	12000			6.3	4.5	90D
7HC8		TRI	PND	T6	OSC	SCD	MU	H	7.2	300	125	15	1.5			100	14	6000	17				9MP
7HC8		PNO	TRI	T6	CON	SCD	MU	H	7.2	300	250	18	2.0			150	10	12000		350K	6.0	3.6	9MP
7K7		OWD	TRI	T9	DET	VAC	RA	H	6.3	300							2						8BF
7K7		TRI	DWD	T9	VA	SCD	RA	H	6.3	300	300		1.0			250	2	1600	70	44K	2.4	2.0	88F
7Y4	S	OIO	TWN	T9	REC	VAC	*PL	H	6.3	500	1K	210				325	70						5A8
7Z4	S	OIO	TWN	T9	REC	VAC	SY	H	6.3	900	1K	300				325	100						5A8
8AU8A	S	TRI	PND	T6	GEN	SCD	SY	H	8.4	450	300		2.5			150	9	4900	40	8200	2.6	0.34	9DX
8AU8A	S	PNO	TRI	T6	GEN	SRC	SY	H	8.4	450	300		3.0			200	15	7000		150K	7.5	3.4	9DX
8AU8A	S	TRI	PND	T6	VA	SCD	SY	H	8.4	450	300		1.0			200	4	4000	70	18K	3.2	0.32	9DX
8AU8A	S	PNO	TRI	T6	VHF	SRC	SY	H	8.4	450	300		3.2			200	13	9000		400K	10.0	3.6	9DX
8810		OWD	TTR	T9	DET	VAC	GE	H	8.5	450													128F
8810		TTR	OWD	T9	OSC	RCD	GE	H	8.5	450	330	20	3.0			250	10	2500	18	7200			128F
88A8A	S	TRI	PND	T6	VA	SRC	RA	H	8.4	450	300		2.0			200	8	2700	18	6700	2.5	0.4	9DX
88A8A	S	PND	TRI	T6	VHF	SRC	RA	H	8.4	450	300		3.2			200	13	9000		400K	10.0	3.6	9DX
88H8	S	TRI	PND	T6	GEN	SRC	GE	H	8.4	450	300		2.5			150	10	3300	17	5150	2.6	0.58	9DX
88H8	S	PND	TRI	T6	GEN	SRC	GE	H	8.4	450	300		3.0			200	15	7000		150K	7.0	2.4	9DX
88N8		OWD	TRI	T6	DET	VAC	SY	H	8.4	450						3	9						9ER
88N8		TRI	DWD	T6	VHF	SCD	SY	H	8.4	450	300		1.5			250	2	2500	70	28K	3.6	0.32	9ER
88C5		8EA	SIN	T6	PA	SRC	AM	H	8.0	600	200	65	12.0			250	50	11300		38K	10.8	6.5	9CV
8CG7	S	TRI	TWN	T6	GEN	RCD	GE	H	8.4	450	300	20	3.5			250	9	2600	20	7700	2.3	2.2	9AJ
8CM7		TRI	OIS	T6	VDA	RCD	GE	H	8.4	450	500	70	5.5			250	20	4400	18	4100	3.5	0.4	9ES
8CM7		TRI	OIS	T6	VDO	SRC	GE	H	8.4	450	500	70	1.2			200	5	2000	21	10K	2.0	0.5	9ES
8CN7		OWD	TRI	T6	DET	VAC	GE	H	8.4	225							5						9EN
8CN7		TRI	OWD	T6	VA	SCD	GE	H	8.4	225	300		1.0			250	1	1200	70	58K	1.5	0.5	9EN
8CS7		TRI	OIS	T6	VDA	RCD	SY	H	8.4	450	500	105	6.5			250	19	4500	16	3450	3.0	0.5	9EF
8CS7		TRI	OIS	T6	VDO	RCD	SY	H	8.4	450	500	70	1.2			250	10	2200	17	7700	1.8	0.5	9EF
8CW5		PND	SIN	T6	AFA	SRC	RE	H	8.0	600	275	110	14.0			200	60	8800		23K			9CV
8CX8		TRI	PND	T6	GEN	SCD	GE	H	8.0	600	330		2.0			150	9	4600	40	8700	2.2	0.38	9DX
8CX8		PND	TRI	T6	VHF	SRC	GE	H	8.0	600	330		5.0			200	24	10000		70K	9.0	4.4	9DX
8CY7		TRI	OIS	T6	VDA	RCD	GE	H	7.9	600	350	120	5.5			150	30	5400	5	920	5.0	1.0	9EF
8CY7		TRI	OIS	T6	VDO	SCD	GE	H	7.9	600	350		1.0			250	1	1300	68	52K	1.5	0.3	9EF

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE ND.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	DUT		
8E88	S	TRI	PND	T6	VA	SCD	SY	H	8.0	600	330		1.0	250	2	2700	100	37K	2.4	0.36	9DX	
8E88	S	PND	TRI	T6	VHF	SRC	SY	H	8.0	600	330		5.0	200	25	12500		75K	11.0	4.2	9DX	
8EM5		BEA	SIN	T6	PA	RCD	RC	H	8.4	600	315	210	10.0	250	35	5100			10.0	5.1	9HN	
8ET7		DWD	PND	T6	DET	VAC	SY	H	8.0	600					2				1.5	7.5	9LT	
8ET7		PND	DWD	T6	RFA	SCD	SY	H	8.0	600	330		5.0	200	25	11500		60K	10.0	4.2	9LT	
8FQ7		TRI	TWN	T6	GEN	RCD	RC	H	8.4	450	330	22	4.0	250	9	2600	20	7700			9LP	
8GK6		PND	SIN	T6	AFA	SRC	RA	H	8.0	600	440		13.2	250	48	11300		38K	10.0	7.0	9GK	
8GN8	S	TRI	PND	T6	8GN8	VA	SCD	SY	H	8.0	600	330	1.0	250	2	2700	100	37K	2.4	0.36	9DX	
8GN8	S	PND	TRI	T6	IFA	SRC	SY	H	8.0	600	330		5.0	200	25	11500		60K	11.0	4.2	9DX	
8HG8		TRI	PND	T6	OSC	SCD	MU	H	8.0	300	125	15	1.5	100	14	6000	17				9MP	
8HG8		PND	TRI	T6	CDN	SCD	MU	H	8.0	300	250	18	2.0	150	10	12000		350K	6.0	3.6	9MP	
8JEB		TRI	PND	T6	VA	SCD	*PL	H	8.2	600	300		1.0	200	4	4200	70		2.4	0.4	9DX	
8JEB		PND	TRI	T6	VHF	SRC	*PL	H	8.2	600	330		5.0	250	22	12000		140K	10.0	3.6	9DX	
8JK8		TRI	DIS	T6	OSC	SCD	SY	H	8.4	300	165	22	1.0	100	5	6800	55	8000	5.0	4.0	9AJ	
8JK8		TRI	DIS	T6	RFA	SCD	SY	H	8.4	300	200	22	2.0	135	10	13000	70	5400	3.0	1.0	9AJ	
8JT8		TRI	PND	T9	VA	SCD	SY	H	7.7	600	330		1.0	250	2	2700	100	37K	1.7	1.6	9DX	
8JT8		PND	TRI	T9	IFA	SCD	SY	H	7.7	600	330		4.0	200	17	20000		50K	13.0	3.0	9DX	
8KAB		TRI	PND	T6	IFA	SCD	RC	H	8.4	450	300		1.1	200	4	4000	70	18K			9PV	
8KAB		PND	TRI	T6	GA	SCD	RC	H	8.4	450	300		2.0	150	4	4400		100K			9PV	
8KS8	S	TRI	PND	T6	GEN	SCD	SY	H	8.4	450	330		1.1	200	4	4000	70	18K	3.2	1.8	9DX	
8KS8	S	PND	TRI	T6	AFA	SRC	SY	H	8.4	450	330		3.8	150	20	9500		150K	10.0	3.6	9DX	
BSN76T8	S	TRI	TWN	T9	GEN	RCD	SY	H	8.4	450	450	70	5.0	250	9	2600	20	7700	2.2	0.7	88D	
9A8	S	TRI	PND	T6	GEN	SCD	RE	H	9.0	300	250	14	1.5	100	14	5000	20		2.5	1.8		
9A8	S	PND	TRI	T6	GEN	SCD	RE	H	9.0	300	275	15	1.9	170	10	6200			5.5	3.8		
9AU7		TRI	TWN	T6	AFA	RCD	GE	H	9.4	225	300	60	2.8	250	10	2200	17	7700	1.6	0.4	9A	
9BR7		DWD	TRI	T6	DET	HIP	*PL	H	9.4	300	300	60			5				1.8		9CF	
9BR7		TRI	DWD	T6	GEN	SRC	*PL	H	9.4	300	300		2.5	250	10	4000	60	11K	2.6	0.3	9CF	
9CL8		TRI	TET	T6	OSC	SRC	SY	H	9.5	300	300		2.7	125	15	8000	40	5000	2.7	0.4	9FX	
9CL8		TET	TRI	T6	MIX	SRC	SY	H	9.5	300	300		2.8	125	12	5800		100K	5.0	2.0	9FX	
9DZ8	D8S	TRI	PND	T6	AFA	SCD	SD	H	9.0	600	150	5	0.8	120	800U	1400	100				9EX	
9DZ8	D8S	PND	TRI	T6	PA	SCD	SD	H	9.0	600	150	60	6.5	145	45	7500					9EX	
9EA8	S	TRI	PND	T6	OSC	SRC	GE	H	9.5	300	330		3.0	150	18	8500	40	5000	3.0	0.3	9AE	
9EA8	S	PND	TRI	T6	MIX	SRC	GE	H	9.5	300	330		3.1	125	12	6400		80K	5.0	2.6	9AE	
9EF6	D8S	BEA	SIN	T9	VDA	RCD	RA	H	9.4	600	250	180	10.0	250	50	5000			11.5	9.0	7S	
9G88		TRI	BEA	T6	VHF		TA	H	9.4	300	250		2.0	200	10	3400	18				9DA	
9G88		BEA	TRI	T6	PA		TA	H	9.4	300	250		3.0	170	10	7500					9DA	
9GV8		TRI	PND	T6	VA		AM	H	9.5	600	250	15	0.5	100	5	6500	50	7600			9LY	
9GV8		PND	TRI	T6	VA		AM	H	9.5	600	250	75	7.0	170	41	7500		25K			9LY	
9JV8		TRI	PND	T6	IFA	SCD	TS	H	9.5	600	330		1.1	200	4	4000	70		3.0	2.0	9DX	
9JV8		PND	TRI	T6	VHF	SRC	TS	H	9.5	600	330		4.0	200	22	10700		150K	8.0	3.2	9DX	
9UBA		TRI	PND	T6	OSC	SRC	GE	H	9.4	300	300		2.7	150	18	8500	40	5000	2.5	0.4	9AE	
9UBA		PND	TRI	T6	MIX	SRC	GE	H	9.4	300	300		2.8	250	10	5200		400K	5.0	2.6	9AE	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KINO	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS						CAPACITANCE		EIA BASE NO.
									V		MA	V	MA	W	E8 V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	OUT			
									V	MA	V	MA	W	V	MA	UMHO								
9XB 9XB	OBS OBS	TRI PND	PNO TRI	T6 T6	OSC MIX	SRC SRC	SY SY	H H	9.5 9.5	300 300	250 250	1.5 2.0	100 250	8 8	5800 4600	40	6900 750K	2.0 4.3	0.5 0.7	9AK 9AK				
10AL11 10AL11 10BQ5 10C8 10C8		PNO PND 8EA TRI PNO PNO	DIS OIS SIN PNO TRI	T9 T9 T6 T6 T6	AFA DET PA GEN GEN	SCD SRC SRC SRC SCD	GE GE SY GE GE	H H H H H	9.8 9.8 10.6 10.5 10.5	600 600 450 300 300	330 275 300 300 300	1.7 10.0 12.0 2.0 2.2	150 250 250 250 135	1 39 53 7 12	1000 6500 11300 4400 8000		150K 100K 38K 12K 190K			128U 128U 9CV 9DA 9DA				
10DA7 10DA7 10DE7 10DE7 10DE7 10OR7	OBS OBS S S S	TRI TRI TRI TRI TRI	OIS OIS DIS DIS DIS	T6 T6 T6 T6 T6	VDA VDA VDA VDA VDA	RCO SRC RCO RCO RCO	#HY #HY SY SY SY	H H H H H	10.5 10.5 9.7 9.7 9.7	600 600 600 600 600	500 300 275 330 275	6.0 2.0 7.0 1.5 7.0	150 250 250 250 150	40 20 9 35 35	5700 2600 6500 6500 6500	6	1100 7700 925 8750 925	5.5 2.0 5.5 2.2 5.5	0.82 0.42 1.0 0.52 1.0	9EF 9EF 9HF 9HF 9HF				
10DR7 10DX8 10DX8 10EB8 10EB8	S S S OBS OBS	TRI TRI PND TRI PNO	DIS PNO TRI PNO TRI	T6 T6 T6 T6 T6	VDA PA PA VA VHF	RCO RCO SCD SCD SRC	SY AM AM SY SY	H H H H H	9.7 10.2 10.2 10.5 10.5	600 450 450 450 450	330 300 300 330 330	70 12 40 40 30	1.0 1.0 4.0 1.0 5.0	250 200 200 250 200	1 3 18 2 25	1600 4000 11000 2700 12500	68 65 100K 37K 75K	2.2 2.4 11.0	0.34 4.2	9HF 9HX 9HX 9DX 9DX				
10EG7 10EG7 10EM7 10EM7 10EM7		TRI TRI TRI TRI TRI	DIS DIS DIS DIS DIS	T9 T9 T9 T9 T9	VDA VDA VDA VDA VDA	RCO RCO RCO RCO RCO	SY SY RC RC SY	H H H H H	9.7 9.7 9.7 9.7 9.7	600 600 600 600 600	330 330 330 330 330	50 22 175 77 175	10.0 1.5 10.0 1.5 10.0	150 250 150 250 150	45 6 50 77 45	7500 2000 7200 1600 7500	6 18 5 68 6	800 8750 750 40K 800	7.0 2.2 7.0 2.2 7.0	1.6 0.6 1.8 0.6 1.2	8BD 8BD 8BD 8BD 9HF			
10EW7 10F07 10FD7 10FR7 10FR7	S S S S S	TRI TRI TRI TRI TRI	OIS DIS DIS DIS DIS	T9 T9 T9 T9 T9	VDA VDA VDA VDA VDA	RCO RCO SCD RCO SCD	SY #PL #PL SY SY	H H H H H	9.7 9.7 9.7 9.7 9.7	600 600 600 600 600	330 330 330 330 330	77 175 70 175 77	1.5 10.0 1.5 1.5 1.5	250 150 250 250 250	6 40 1 50 1	2000 7500 1600 7200 1600	18 6 64 5 68	8750 800 40K 750 40K	2.2 6.5 2.2 7.5 2.4	0.4 1.2 0.40 1.2 0.30	9HF 9HF 9HF 9HF 9HF			
10GF7 10GF7 10GN8 10GN8 10GN8		TRI TRI TRI PND TRI	DIS DIS PNO TRI PND	T9 T9 T6 T6 T6	VDA VDA VA IFA GEN	RCO RCO SCD SRC SRC	RC RC TS TS RC	H H H H H	9.7 9.7 10.5 10.5 10.5	600 600 450 450 450	330 330 330 330 330	50 22 30 30 30	11.0 1.5 1.0 5.0 1.0	150 250 250 200 200	50 1 2 25 4	7200 1600 2700 11500 4000	5 64 100 70	750 40K 37K 60K 18K	6.5 2.4 2.4 11.0 2.8	1.4 0.26 0.36 4.2 2.6	9Q0 9Q0 90X 90X 90X			
10HF8 10JA8 10JA8 10JT8 10JT8	S S S S S	PND TRI TET TRI PND	TRI TET PND TRI TRI	T6 T6 T6 T9 T9	GEN GEN IFA VA IFA	SCD SCD SCD SCD SCD	RC WH WH SY SY	H H H H H	10.5 10.5 10.5 10.2 10.2	450 450 450 450 450	330 300 330 330 330		5.0 1.0 5.0 1.0 4.0	200 200 200 250 200	25 4 18 100 17	12500 4000 14000 2700 20000		75K 17K 7000 37K 50K	10.0 2.5 11.0 1.7 13.0	4.2 0.4 4.8 1.6 3.0	9DX 9QF 9QF 9DX 9DX			
10JY8 10JY8		TRI BEA	8EA TRI	T6 T6	CON VHF	SRC SRC	GE GE	H H	10.5 10.5	450 450	330 330	2.0 5.0	125 200	15 24	10400 11000	46	4400 55K	4.2 10.0	3.2 4.6	9DX 9DX				

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.	
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT		
11AR11 11C5 11CY7 11CY7 11JEB	OBS	PND	TWN	T9	IFA	SRC	GE	H	11.2	450	330	11	3.1	125			10500		200K	10.0	2.9	120M
		BEA	SIN	T5	PA	RCD	SY	H	11.6	450	135		4.5	110	41		5800		13K	12.0	6.2	7CV
		TRI	OIS	T6	VOA	RCD	SY	H	11.0	450	350	120	5.5	150	30		5400	5	920	5.0	1.0	9EF
		TRI	DIS	T6	VOD	SCD	SY	H	11.0	450	350		1.0	250	1		1300	68	52K	1.5	0.3	9EF
		TRI	PND	T6	VA	SCD	#PL	H	10.9	450	300		1.0	200	4		4200	70		2.4	0.4	9DX
11JEB		PND	TRI	T6	VHF	SRC	#PL	H	10.9	450	330		5.0	250	22		12000		140K	10.0	3.6	9DX
12A4	OBS	TRI	SIN	T6	VDA	RCD	#HY	H	12.6	300	450	105	5.9	250	23		8000	20	2500	4.9	0.9	9AG
12AB5	S	BEA	SIN	T6	PA	RCD	TS	H	12.6	200	315		12.0	250	47		4100		50K	8.0	8.5	9EU
12AC6	S	PND	SIN	T5	RFA	SCD	TS	H	12.6	150	30	20		13	5500	700			500K	4.3	5.0	78K
12AD6	S	PTG	SIN	T5	CON	SCD	TS	H	12.6	150	16	20		13	2				400K	5.5	8.0	7CH
12AD7	S	TRI	TWN	T6	AFA	SCD	SY	H	12.6	225	300		1.0	250	1		1600	100	62K	1.6	0.5	9A
12AE6A	S	OWD	TRI	T5	DET	VAC	TS	H	12.6	150					1							78T
12AE6A	S	TRI	OWD	T5	AFA	SCD	RA	H	12.6	150	30	20		13	2		1300	17	13K	1.8	1.1	78T
12AE7		TRI	OIS	T6	AFO		#PL	H	12.6	450	16		1.0	13	2		4000	13	3150	4.7	0.75	9A
12AE7		TRI	DIS	T6	AFO		#PL	H	12.6	450	16		1.0	13	8		6500	6	985	4.2	0.85	9A
12AF3		DIO	SIN	T6	DA	VAC	TS	H	12.6	600	4K	750	6.0	20	185						6.0	9CB
12AF6	S	PND	SIN	T5	RFA	SCD	GE	H	12.6	150	16				13		7500		300K	5.5	4.8	78K
12AG6	OBS	PTG	SIN	T5	CON	SCD	GE	H	12.6	150	16				13		3500			5.5	7.5	7CH
12AH7GT		TRI	TWN	T9	AFA	SRC	GE	H	12.6	150	180		1.5	180			1900	16	8400			BBE
12AJ6	S	OWD	TRI	T5	OET	VAC	TS	H	12.6	150					1							78T
12AJ6	S	TRI	OWD	T5	AFA	SCD	TS	H	12.6	150	30	20		13	7500	1200		55	45K	2.2	0.8	78T
12AL5	S	DIO	TWN	T5	OET	HIP	#HY	H	12.6	150	330	54		117	9						2.5	68T
12ALB		TRI	TET	T6	OET	SCD	TS	H	12.6	550	30	20		13	5000		1000	13	13K	1.8	0.4	9GS
12ALB		TET	TKI	T6	PA	SRC	TS	H	12.6	550	30			13	40		15000		480	13.0	1.6	9GS
12AL11		PND	OIS	T9	AFA	SCD	GE	H	12.6	450	330		1.7	150	1		1000		150K			128U
12AL11		PND	DIS	T9	DET	SRC	GE	H	12.6	450	275		10.0	250	39		6500		100K	11.0	12.0	128U
12AQ5		BEA	SIN	T5	PA	RCD	RC	H	12.6	225	250		12.0	250	47		4100		52K	8.0	8.5	78Z
12AS5	OBS	BEA	SIN	T5	PA	RCD	RA	H	12.6	400	150		5.5	150	36		5600			12.0	6.2	7CV
12AT6A	S	OWD	TRI	T5	DET	VAC	SY	H	12.6	150					1							78T
12AT6A	S	TRI	OWD	T5	VA	SCD	SY	H	12.6	150	300		0.5	250	1		1200	70	58K	2.2	0.8	78T
12AT7WA	S*	TRI	TWN	T6	RFA	SRC	GE	H	12.6	150	300		2.5	250	10		5500	60	11K	2.2	0.5	9A
12AU6A	S	PND	SIN	T5	IFA	SCD	SY	H	12.6	150	300		3.0	250	8		4500		2M	5.5	5.0	78K
12AU7A	S	TRI	TWN	T6	AFA	RCD	#PL	H	12.6	150	300	60	2.8	250	10		2200	17	7700	1.6	0.4	9A
12AUB	S	TRI	PND	T6	GEN		TS	H	12.6	300	300		2.5	150	9		4900	40	8200	2.6	0.34	9DX
12AUB	S	PND	TRI	T6	GEN		TS	H	12.6	300	300		3.0	200	15		7000		150K	7.5	3.4	9DX
12AV5GA	S	BEA	SIN	T11	HDA	RCD	GE	H	12.6	600	550	440	11.0	250	57		5900		14K	14.0	7.0	6CK
12AV6A	S	OWD	TRI	T5	OET	VAC	SY	H	12.6	150					1							78T
12AV6A	S	TRI	OWD	T5	VA	SCD	SY	H	12.6	150	330		0.6	250	1		1600	100	62K	2.2	0.8	78T
12AV7	S	TRI	TWN	T6	RFA	SRC	#PL	H	12.6	225	300		2.7	150	18		8500	41	4800	3.1	0.5	9A
12AW6	S	PND	SIN	T5	VA	SCD	RC	H	12.6	150	300		2.0	250	7		5000		800K	6.5	1.5	7CM
12AX3	S	DIO	SIN	T9	OA	VAC	GE	H	12.6	600	5K	1000	5.3		165					7.5	5.5	128L

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.		
									V	MA	V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP DHMS		IN	OUT
12AX4GT8	S	DIO	SIN	T9	DA	VAC	GE	H	12.6	600	5K	1000	4.8	21	165	21	165	1600	100	62K	1.6	5.0	4CG
12AX7A	S	TRI	TWN	T6	VA	SCO	RC	H	12.6	150	330		1.2	250	1	250	1				1.6	0.46	9A
12AY3		DIO	SIN	T9	DA	VAC	RC	H	12.6	600	5K	1100	6.5	900	175	900					1.3	0.6	9HP
12AY7	S	TRI	TWN	T6	AFA	SCO	GE	H	12.6	150	300	10	1.5	250	3	250	3	1800	44	25K			9A
12AZ7A	S	TRI	TWN	T6	OSC	SRC	*PL	H	12.6	225	330		5.0	250	10	250	10	5500	60	11K	3.1	0.5	9A
12B3		DIO	SIN	T6	DA	VAC	WH	H	12.6	600	4K	750		22	150	22	150				5.3		98D
12B4A		TRI	SIN	T6	VDA	RCD	GE	H	12.6	300	550	105	5.5	150	34	150	34	6300	6	1030	5.0	1.5	9AG
12BA6A	S	PND	SIN	T5	RFA	RCD	SY	H	12.6	150	300		3.0	250	11	250	11	4400		1M	5.5	5.0	78K
12BA7	S	PTG	SIN	T6	CON	RCD	RC	H	12.6	150	300	22	2.0	250	4	250	4			1M	6.7	8.3	8CT
12BD6	S	PND	SIN	T5	IFA	RCD	RA	H	12.6	150	300	14	3.0	250	9	250	9	2000		800K	4.3	5.0	78K
12BE3	S	DIO	SIN	T9	DA	VAC	GE	H	12.6	600	5K	1200	6.5									8.0	128L
12BE6A	S	PTG	SIN	T5	CON	VAC	SY	H	12.6	150	300	14	1.0	250	3	250	3			1M	5.5	8.0	7CH
12BF6	S	DWD	TRI	T5	DET	VAC	TS	H	12.6	150					1								78T
12BF6		TRI	DWD	T5	VA	RCD	TS	H	12.6	150	300		2.5	250	10	250	10	1900	16	8500	1.8	0.7	78T
12BH7A	S	TRI	TWN	T6	VDA	SRC	*HY	H	12.6	300	500	20	3.5	250	12	250	12	3100	17	5300	3.3	0.8	9A
12BK5		BEA	SIN	T6	PA	SRC	GE	H	12.6	600	250		9.0	250	37	250	37	8500		100K	13.0	5.0	98Q
12BK6	D8S	DWD	TRI	T5	REC	HIP	SY	H	12.6	150	300				1								78T
12BK6	D8S	TRI	DWD	T5	VA	SCO	SY	H	12.6	150	300				250	250	1	1600	100	62K			78T
12BL6		PND	SIN	T5	RFA	SCO	TS	H	12.6	150	30	20		13	1	13	1	1400		500K	5.5	4.8	78K
12BN6A		GT8	SIN	T5	DIS		SY	H	12.6	150	300	12		121	4400						4.2		70F
12BQ6GT	S	BEA	SIN	T9	HDA	RCD	SY	H	12.6	600	550	400	11.0	250	55	250	55	5500		20K	15.0	7.5	6AM
12BR3		DIO	SIN	T6	DA	VAC	TO	H	12.6	600	6K	1200	6.5	19	250	19	250					8.5	9CB
12BR7A		DWD	TRI	T6	DET	HIP	*PL	H	12.6	225		60		5	17						1.8		9CF
12BR7A		TRI	DWD	T6	GEN	SCO	*PL	H	12.6	225	300		2.5	250	10	250	10	4000	60	11K	2.6	0.3	9CF
12BS3		DIO	SIN	T9	DA	VAC	RC	H	12.6	600	5K	1100	6.0	12	140	12	140					6.5	9HP
12BV7	S	PND	SIN	T6	VHF	SRC	*PL	H	12.6	300	300		6.2	250	27	250	27	13000		85K	11.0	3.0	98F
12BW4		DIO	TWN	T6	REC	VAC	SY	H	12.6	450	1K	350		325	100	325	100						9DJ
12BX6		PND	SIN	T6	GEN	SCO	RE	H	12.6	150	550		2.5	250	10	250	10	6800		650K	7.5	3.3	9AQ
12BY7A	S	PND	SIN	T6	VHF	SRC	GE	H	12.6	300	300		6.5	250	26	250	26	11000		93K	10.2	3.5	98F
12BZ6	S	PND	SIN	T5	IFA	RCD	SY	H	12.6	150	330		2.3	125	14	125	14	8000		260K	7.0	2.0	7CM
12BZ7		TRI	TWN	T6	VHF	SCO	*HY	H	12.6	300	300		1.5	250	2	250	2	3200	100	32K	6.5	0.7	9A
12C5	S	BEA	SIN	T5	PA	RCD	WH	H	12.6	600	135		5.5	110	50	110	50	7500		10K	13.0	9.0	7CV
12C8		DWD	PND	MT8	DET	VAC	RC	H	12.6	150													8E
12CB		PND	DWD	MTB	AFA	RCD	RC	H	12.6	150	300		2.2	250	10	250	10	1300		600K	6.0	9.0	8E
12CA5		8EA	SIN	T5	PA	SRC	GE	H	12.6	600	130		5.0	125	37	125	37	9200		15K	15.0	9.0	7CV
12CM6	S	8EA	SIN	T6	PA	RCD	SY	H	12.6	225	315		12.0	250	47	250	47	4100		50K	8.0	8.5	9CK
12CN5		PND	SIN	T5	IFA	SCO	RA	H	12.6	450	16			13	4			3800		40K			7CV
12CR5		BEA	SIN	T6	HDA	RCD	WH	H	12.6	600	600	400	11.0	250	65	250	65	6000		18K	12.9	6.9	9HC
12CR6		DIO	PND	T5	DET	VAC	TS	H	12.6	150					2								7EA
12CR6		PND	DIO	T5	AFA	RCD	TS	H	12.6	150	300		2.5	250	10	250	10	2200		800K			7EA
12CS5	D8S	8EA	SIN	T6	PA	RCD	*HY	H	12.6	600	300		10.0	200	47	200	47	8000		28K	15.0	9.0	9GR

TUBE TYPE NUMBER	CODE	KINO	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE		EIA BASE ND.					
									V		MA		V		MA		V		MA		E8 V	IB MA		GM UMHD	MU	RP DHMS	PTCOFARADS IN	DUT
12CS6		PTG	SIN	T5	GA	SCD	SY	H	12-6	150	300	14	1-0	100	1	1100				1M	5-5	7-5	7CH					
12CT8	S	TRI	PND	T6	VHF	SCD	GE	H	12-6	300	300		2-5	150	9	4900	40		8200	2-4	0-19	9DA						
12CT8	S	PND	TRI	T6	VHF	SRC	GE	H	12-6	300	300		2-8	200	15	7000			150K	7-5	2-4	9DA						
12CU5	S	8EA	SIN	T5	PA	RCD	RC	H	12-6	600	135		6-0	120	50	7500			10K	13-0	8-5	7CV						
12CU6	S	8EA	SIN	T11	HDA	RCD	SY	H	12-6	600	600	400	11-0	250	57	5900			14K	15-0	7-0	6AM						
12CX6		PND	SIN	T5	RFA	SCD	SY	H	12-6	150	33				3	3100			40K	7-6	6-2	7BK						
12CY6	08S	PND	SIN	T5	RFA	SCD	SY	H	12-6	200	33				2	3200			140K	8-5	4-0	7BK						
12D4A		OID	SIN	T9	DA	VAC	TS	H	12-6	600	5K	900	8-0		185				28K	9-0	7-0	4CG						
12D85		8EA	SIN	T6	VDA	RCD	#HY	H	12-6	600	300	200	10-0	200	47	8000						9GR						
12D88		OID	PND	T6	DET	VAC	TS	H	12-6	200					5				300K	5-5	5-7	9HG						
12D88		PNO	OID	T6	RFA	SCD	TS	H	12-6	200	30	20		13	1	1500						9HG						
12DF5	08S	OID	TWN	T6	REC	VAC	SY	H	12-6	450	1K	350		325	100							9BS						
12DF7	08S	TRI	TWN	T6	VA	SCD	WH	H	12-6	150	300		1-0	250	1	1600	100		55K	1-6	0-4	9A						
12DJ8		TRI	TWN	T6	GEN		SY	H	12-6	180	130	25	1-8	90	15	12500	33		100K	9-5	2-65	9AJ						
12DK5	08S	PND	SIN	T6	IFA	SCD	WH	H	12-6	300	16			13	2	3300			350K	6-3	1-9	7CM						
12DK6		PNO	SIN	T5	VHF	SCD	RC	H	12-6	500	330		2-3	125	12	9800						9HZ						
12DK7	08S	OWD	TET	T6	DET	VAC	RA	H	12-6	500		1																
12DK7	08S	TET	OWD	T6	PA		RA	H	12-6	500	30	10	0-5	13	6	5000			4000			9HZ						
12DL8		OWD	TET	T6	DET	VAC	TS	H	12-6	550		5			3					1-6	1-6	9HR						
12DL8	S	TET	OWD	T6	PA	SRC	TS	H	12-6	550	30			13	40	15000			480	12-0	1-3	9HR						
12DM4A		OID	SIN	T9	DA	VAC	WH	H	12-6	600	5K	1200	6-5	200						8-5	8-5	4CG						
12DM5	08S	8EA	SIN	T5	PA	RCD	#HY	H	12-6	450	135		5-5	110	50	7500			14K	13-0	9-0	7CV						
12M7	08S	TRI	TWN	T6	AFA	SCD	#HY	H	12-6	130	330		1-1	250	1	1600	100		62K	1-6	0-46	9A						
12Q4	S	OID	SIN	T9	DA	VAC	RA	H	12-6	600	6K	1000	6-0		175					5-0	5-0	4CG						
12Q68		8EA	SIN	T12	HDA	RCD	GE	H	12-6	600	770	610	18-0	250	65	7300			18K	15-0	7-0	6AM						
12Q7	S	PNO	SIN	T6	VHF	SRC	GE	H	12-6	300	330		6-5	200	26	10500			53K	10-0	3-8	98F						
12S7A	S	OWD	TET	T6	DET	VAC	RC	H	12-6	400		5		10	3							9JU						
12S7A	S	TET	OWD	T6	AFA	SCD	RC	H	12-6	400	16			13	40	15000			480	13-0	2-0	9JU						
12DT5		8EA	SIN	T6	VDA	RCD	WH	H	12-6	600	315	190	9-0	250	38	6200				12-5	4-9	9HN						
12DT6		PND	SIN	T5	DET	SCD	TS	H	12-6	150	330		1-7	150	1	800			150K	6-1		7EN						
12DT7	08S	TRI	TWN	T6	AFA	SCD	RA	H	12-6	150	300		1-0	250	1	1600	100		62K	1-6	0-46	9A						
12DT8	S	TRI	TWN	T6	AFA	SRC	RC	H	12-6	150	300		2-5	250	10	5500	60		11K	2-7	1-6	9AJ						
12DU7		OWD	TET	T6	DET	VAC	SY	H	12-6	275					1							9JX						
12DU7		TET	OWD	T6	PA	SCD	SY	H	12-6	275	16			13	12	6200			6000	11-0	3-6	9JX						
12DV7		OWD	TRI	T6	DET	VAC	SY	H	12-6	150					1							9JY						
12DV7		TRI	OWD	T6	AFA	SCD	SY	H	12-6	150	16	20		13	4000	800			14	1-3	0-38	9JY						
12DV8		OWD	TET	T6	DET	VAC	GE	H	12-6	375		5			3					1-7		9HR						
12DV8		TET	OWD	T6	AFD		GE	H	12-6	375	16			13	9	8500			900	9-0	1-0	9HR						
12DW5	S	8EA	SIN	T6	PA	RCD	SY	H	12-6	600	330	225	11-0	200	55	5500			15K	14-0	9-0	9CK						
12DW7	S	TRI	DIS	T6	VA	RCD	SY	H	12-6	150	330	22	3-3	250	10	2200			17	7700	1-7	0-40	9A					
12DW7	S	TRI	DIS	T6	VA	SCD	SY	H	12-6	150	330		1-2	250	1	1600	100		62K	1-6	0-44	9A						
12DW8	08S	OID	OTR	T6	DET	VAC	#PL	H	12-6	450			0-5									9JC						

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICDFARADS		EIA BASE NO.	
									V	MA	V	MA	W	EB V	IB MA	GM UMHD	MU	RP OHMS	IN	DUT		
12DW3	DBS	TRI	DSO	T6	AFA		#PL	H	12.6	450	16	0.5	13	2	2700	10				1.6	0.7	9JC
12DW8		TRI	DSO	T6	AFD		#PL	H	12.6	450	16	0.5	13	8	6500	6				4.4	0.7	9JC
12DY8		TRI	TET	T6	GEN	SCD		H	12.6	350	16		13	1	2000	20			10K	2.0	0.38	9JD
12DY8		TET	TRI	T6	DNA	SRC	SY	H	12.6	350	16		13	14	6000				5000	11.0	3.0	9JD
12DZ6		PND	SIN	T5	RFA	RCD	GE	H	12.6	190	16		13	5	3600				30K	9.5	4.0	7BK
12DZ8	DBS	TRI	PND	T6	AFA	SCD	SO	H	12.0	450	150	5	0.8	120	800U	1400	100					9EX
12DZ8		PND	TRI	T6	PA		SO	H	12.0	450	150	60	6.5	145	45	7500						9EX
12EA6		PND	SIN	T5	IFA	SCD	GE	H	12.6	175	16		13	3	3800				32K	11.0	4.0	7BK
12ECB		TRI	PND	T6	OSC	SCD	SY	H	12.6	225	16		13	2	4700	25			6000	2.6	0.4	9FA
12ECB		PND	TRI	T6	MIX	SCD	SY	H	12.6	225	16		13	660U					750K	4.6	2.6	9FA
12ED5		BEA	SIN	T5	PA	SRC	SY	H	12.6	450	150	6.2	125	37	8500				14K	14.0	8.5	7CV
12EF6	DBS	BEA	SIN	T9	VDA	RCD	RA	H	12.6	450	250	180	10.0	250	50	5000				11.5	9.0	7S
12EG6	S	PTG	SIN	T5	RFA	SCD	TS	H	12.6	150	30	20		400U					150K	5.7	12.0	7CH
12EH5		PND	SIN	T5	PA	SCD	RC	H	12.6	600	135	5.0	110	42	14600				11K	17.0	9.0	7CV
12EK6		PND	SIN	T5	RFA	SCD	SY	H	12.6	190	16		13	4	4200				78K	10.0	5.5	7BK
12EL6	S	DWD	TRI	T5	DET	VAC	SY	H	12.6	150	30			1								7FB
12EL6	S	TRI	DWD	T5	AFA	SCD	SY	H	12.6	150	30	20		750U	1200	55			45K	2.2	1.0	7FB
12EM6		DID	TET	T6	DET	VAC	RA	H	12.6	500	30			1								9HV
12EM6		TET	DID	T6	PA		RA	H	12.6	500	30	10	0.5	13	6	5000			4000			9HV
12EN6	S	BEA	SIN	T9	PA	RCD	WH	H	12.6	600	300	175	7.0	200	50	8000			28K	14.0	8.0	7S
12EQ7		DID	PND	T6	DET	VAC	RC	H	12.6	150	300			1								9LQ
12EQ7		PND	DID	T6	RFA		RC	H	12.6	150	300	3.0	100	9	3800				250K	5.5	5.0	9LQ
12EZ6		PND	SIN	T5	RFA	SCD	TS	H	12.6	175	30	10		2	3000				300K	7.8	5.5	7BK
12F8		DWD	PND	T6	DET	VAC	TS	H	12.6	150	30			1								9FH
12F8		PND	DWD	T6	AFA	SCD	TS	H	12.6	150	30			1	1000				330K	4.5	3.0	9FH
12FA6	DBS	PTG	SIN	T5	CON		TS	H	12.6	150	30	20		450U					800K	7.2	12.0	7CH
12FB5		PND	SIN	T6	VA		TA	H	12.6	300	250	50	6.0	170	31	8300						9CV
12FK6	S	DWD	TRI	T5	DET	VAC	RC	H	12.6	150	30	1										7BT
12FK6	S	TRI	DWD	T5	AFA	SCD	RC	H	12.6	150	16			1	1200	7	6200			1.8	0.7	7BT
12FM6	S	DWD	TRI	T5	DET	VAC	RA	H	12.6	150	30	1										7DT
12FM6	S	TRI	DWD	T5	AFA	SCD	RA	H	12.6	150	30	20							7700	2.7	1.7	7DT
12FQ8		TRI	TWN	T6	OSC	SCD	GE	H	12.6	150	330	0.5	250	2	1200	95			76K	1.7		9KT
12FR8		TRI	PDD	T6	AFA	SCD	TS	H	12.6	320	16			1	1200	10				2.6	2.0	9KU
12FR8		PDD	TRI	T6	IFA	SCD	TS	H	12.6	320	16			2	2700				400K	8.5	5.5	9KU
12FT6	DBS	DWD	TRI	T5	DET	VAC	#HY	H	12.6	150	30	20							13K	1.8	1.1	7BT
12FT6	DBS	TRI	DWD	T5	AFA		#HY	H	12.6	150	30	30	2.5	100	16	9600	22		2250	0.6	5.5	9A
12FV7		TRI	TWN	T6	DNA	RCD	RC	H	12.6	450	300	5.5	110	35	13500				18K	17.0	9.0	7CV
12FX5		PND	SIN	T5	AFA		WH	H	12.6	450	150											

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.		
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	OUT				
12FX8		TRI	PTG	T6	RFA	SCO	TS	H	12.6	300	16				13	1	1400	10		2.2	0.48	9KV		
12FX8		PTG	TRI	T6	CON	SCO	TS	H	12.6	300	16				13	290U				6.0	5.0	9KV		
12FY8		TRI	PND	T6	VA		#HY	H	12.6	600	150				1.0	125	2	2000				9EX		
12FY8		PND	TRI	T6	HF		#HY	H	12.6	600	150				8.0	125	50	7500				9EX		
12G4	OBS	TRI	SIN	T5	GEN	RCO	SY	H	12.6	150	300				2.5	250	9	2600	20	7700	2.4	0.9	68G	
12G11		PND	DIS	T9	DET	SRC	GE	H	12.6	600	150		65		6.5	120	50	7500		10K	12.0	12.0	128U	
12G11		PND	DIS	T9	AFA	SCO	GE	H	12.6	600	330				1.7	150	1	1000		150K			128U	
12GA6	S	PTG	SIN	T5	CON	SCO	GE	H	12.6	150	16				12	300U				1M	5.0	8.0	7C4	
12GC6		8EA	SIN	T12	HDA	RCO	RA	H	12.6	600	770		550		17.5	250	345	6600		20K	15.0	7.0	8JX	
12GE5		8EA	SIN	T12	HDA	RCO	GE	H	12.6	600	770		550		17.5	250	75	6600		20K	16.0	7.0	128J	
12GJ5	S	8EA	SIN	T12	HDA	HIP	RC	H	12.6	600	770		550		17.5	250	70	7100		15K	15.0	6.5	90K	
12GN6		DIO	PND	T5	DET	VAC	RV	H	12.6	150							1						7FW	
12GN6		PND	DIO	T5	IFA	RCO	RV	H	12.6	150	300				3.0	250	11	4400		1M	5.5	5.0	7FW	
12GN7		PND	SIN	T6	VHF		SY	H	12.6	300	400				7.5	250	28	36000		50K	17.5	4.0	98F	
12GT5	S	8EA	SIN	T12	PA	HIP	RC	H	12.6	600	770		550		17.5	250	70	7100		15K	15.0	6.5	9NZ	
12GV5		8EA	SIN	T12	HDA	RCO	RA	H	12.6	600	770		175		17.5	250	65	7300		18K	16.0	7.0	120R	
12GW6	S	8EA	SIN	T12	PA	RCO	RC	H	12.6	600	770		550		18.0	250	70	7100		15K			6AM	
12H4		TRI	SIN	T5	GEN	RCO	SY	H	12.6	150	300				2.5	250	9	2600	20	7700	2.4	0.9	70W	
12H6GT	OBS	DIO	TWN	T9	REC	VAC	RC	H	12.6	150	420		48			117	8						7Q	
12H08		PND	TWN	T6	AFA		LR	H	12.0	300	300		40		6.0	250	26	6000		80K	7.0	4.5	9NJ	
12J5WGT	S	TRI	SIN	T9	GEN	RCO	GE	H	12.6	150	330		20		2.8	250	9	2600	20	7700			6Q	
12JB		DWD	TET	T6	DET	VAC	SY	H	12.6	325							5						9GC	
12JB		TET	DWD	T6	PA	SCO	SY	H	12.6	325	30						13	12	5500		6000	10.5	4.4	9GC
12J86		8EA	SIN	T12	HDA	RCO	RC	H	12.6	600	770		175		17.5	250	70	7100		150K	15.0	6.0	9QL	
12K5		TET	SIN	T5	PA	SRC	TS	H	12.6	400	30						13	40	15000		480			7FD
12K8GT		TRI	HEX	T9	OSC		SY	H	12.6	150	125				0.8	100	4				6.5	3.4	8K	
12KBGT		HEX	TRI	T9	MIX	RCO	SY	H	12.6	150	300				0.8	250	2			600K	4.6	4.8	8K	
12KL8		DIO	PND	T6	DET	VAC	RC	H	12.6	150							1						9LQ	
12KL8		PND	DIO	T6	IFA	SCO	RC	H	12.6	150	300				3.0	100	6	4300		550K	6.0	5.0	9LQ	
12L6GT	S	8EA	SIN	T9	PA	RCO	GE	H	12.6	600	200				10.0	200	47	8000		28K			7S	
12R5		8EA	SIN	T5	VDA	RCO	SY	H	12.6	600	150		155		4.5	110	40	7000		13K	13.0	9.0	7CV	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BUL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.	
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT		
12SA7GT	S	PTG	SIN	T9	CON		TS	H	12.6	150	300	14	1.0	250	4				1M	8.0	11.0	8AD
12SC7	S	TRI	TW	MTB	AFA	SCO	RC	H	12.6	150	250			250	2	1300	7C		53K	2.0	3.0	8S
12SF7		DIO	PND	MTB	DET	VAC	RC	H	12.6	150					1							7AZ
12SF7		PND	DIO	MTB	AFA	RCO	RC	H	12.6	150	300		3.5	250	12	2000			700K	5.5	6.0	7AZ
12SG7	S	PND	SIN	MTB	IFA	RCO	RC	H	12.6	150	300		3.0	250	12	4700			900K	8.5	7.0	8BK
12SH7	S	PND	SIN	MTB	RFA	SCO	RC	H	12.6	150	300		3.0	250	11	4900			900K	8.5	7.0	8BK
12SJ7GT	S	PND	SIN	T9	RFA	SRC	RC	H	12.6	150	300		2.5	250	3	1600			1M	6.0	7.0	8N
12SK7GT	S	PND	SIN	T9	RFA	RCO	#HY	H	12.6	150	300		4.0	250	9	2000			800K	6.5	7.5	8N
12SL7GT	S	TRI	TW	T9	VA	SCO	RC	H	12.6	150	300		1.0	250	2	1600	70		44K			8BD
12SN7GTA		TRI	TW	T9	GEN	RCO	GE	H	12.6	300	450	70	5.0	250	9	2600	20	7700		2.2	0.7	8BD
12SQ7GT	S	DWD	TRI	T9	DET	VAC	#HY	H	12.6	150					1							8Q
12SQ7GT	S	TRI	DW	T9	VA	SCO	#HY	H	12.6	150	300		0.5	250	1	1200	100		85K	4.2	3.4	8Q
12U7		TRI	TW	T6	GEN	SCO	TS	H	12.6	150	30	15		13	1	1600	20		12K	1.6	0.4	9A
12V6GT	S	BEA	SIN	T9	PA	RCO	TS	H	12.6	225	315		12.0	250	47	4100			50K	9.0	7.5	7S
12W6GT	S	BEA	SIN	T9	PA	RCO	GE	H	12.6	600	300	180	10.0	200	47	8000			28K	15.0	9.0	7S
12X4		DIO	TW	T5	REC	VAC	TS	H	12.6	300	1K	230		325	70							58S
12Z3	08S	DIO	SIN	ST12	REC	VAC	SY	H	12.6	300	700	330		235	55							4G
13CW4		TRI	SIN	MT4	RFA	SCO	RC	H	13.5	60	135		1.5	70	7	12500	68		5440	4.3	1.8	12AQ
13DE7	S	TRI	DIS	T6	VDA	RCO	SY	H	13.0	450	275	175	7.0	150	35	6500	6		925	5.5	1.0	9HF
13DE7	S	TRI	DIS	T6	VDO	RCO	SY	H	13.0	450	330	77	1.5	250	6	2000	18		8750	2.2	0.52	9HF
13DR7	S	TRI	DIS	T6	VDA	RCO	SY	H	13.0	450	275	175	7.0	150	35	6500	6		925	5.5	1.0	9HF
13DR7	S	TRI	DIS	T6	VDO	RCO	SY	H	13.0	450	330	70	1.0	250	1	1600	68		440K	2.2	0.34	9HF

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS						CAPACITANCE		EIA BASE NO.
									V	MA	V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICO FARADS IN	OUT			
13C7		PND	SIN	T6	RFA	SRC	TA	H	13.0	100	250		2.2	175	12	175	4400								9AQ
13C7		TRI	DIS	T9	VDA	RCD	SY	H	13.0	450	330		175	10.0	150	50	7200	5	750	7.0	1.8				88D
13C7		TRI	DIS	T9	VDO	SCO	SY	H	13.0	450	330		77	1.5	250	1	1600	68	40K	2.2	0.6				88D
13F07		TRI	DIS	T9	VDA	RCD	#PL	H	13.0	450	330		175	10.0	150	40	7500	6	800	6.5	1.2				9HF
13F07		TRI	DIS	T9	VDO	SCO	#PL	H	13.0	450	330		70	1.5	250	1	1600	64	40K	2.2	0.40				9HF
13F7		TRI	DIS	T9	VDA	RCD	SY	H	13.0	450	550		50	10.0	175	40	6000	6	920	2.4	0.4				12EJ
13F7		TRI	DIS	T9	VDO	RCD	SY	H	13.0	450	350		1.0	250	2	2200	66	30K							12EJ
13F7		TRI	DIS	T9	VDA	RCD	SY	H	13.0	450	330		175	10.0	150	50	7200	5	750	7.5	1.2				9HF
13F7		TRI	DIS	T9	VDO	SCO	SY	H	13.0	450	330		77	1.5	250	1	1600	68	40K	2.4	0.30				9NH
13G85		BEA	SIN	T9	PA	SRC	AM	H	13.3	600	275		275	6.0	75	440									
13G8		TRI	BEA	T6	VHF		TA	H	13.0	300	250		2.0	200	10	3400	18	5300							9KZ
13G8		BEA	TRI	T6	PA		TA	H	13.0	300	250		5.5	170	32	6500									9KZ
13G7		TRI	DIS	T9	VDA	RCD	RC	H	13.0	450	330		50	11.0	150	50	7200	5	750	6.5	1.4				9QD
13G7		TRI	DIS	T9	VDO	SCO	RC	H	13.0	450	330		22	1.5	250	1	1600	64	40K	2.4	0.26				9QD
13J10		PND	GTB	T9	PA	SRC	GE	H	13.2	450	275		10.0	250	39	6500									12BT
13J10		GTB	PND	T9	DIS		GE	H	13.2	450	330		13	270	440U										12BT
14C7		PND	SIN	T9	DET	SCO	SY	H	12.6	150	300		1.0	250	2	1600									BV
14F7	S	TRI	TWN	T9	VA	SCO	SY	H	12.6	150	300		1.0	250	2	1600									BAC
14F8		TRI	TWN	T9	VHF	SRC	TS	H	12.6	150	300		3.5	250	6	3300	48								88W
14CT8A	S	DWD	TRI	T6	DET	VAC	SY	H	14.0	150					5										9KR
14CT8A	S	TRI	DWD	T6	VA	SCO	GE	H	14.0	150	330		1.1	250	700U	1000									9KR
14JG8	S	DWD	TRI	T6	DET	VAC	GE	H	14.0	150					5										9KR
14JG8	S	TRI	DWD	T6	AFA	SCO	GE	H	14.0	150	330		1.1	250	2	2200									9KR
14Q7		PTG	SIN	T9	CON		SY	H	12.6	150	300		14		4										BAL
14R7		DWD	PND	T9	DET	VAC	SY	H	12.6	150					1										8AE
14R7		PND	DWD	T9	VA	RCD	SY	H	12.6	150	250		2.0	250	6	3200									8AE
15AB	OBS	TRI	PND	T9	VDO	SRC	SY	H	15.0	600	300		70	2.5	250	9	2600	20	7700	2.6	0.9				8GS
15AB		PND	TRI	T9	VDA	RCD	SY	H	15.0	600	300		140	7.5	110	45	7300	68	13K	11.0	5.0				8GS
15AF11	OBS	TDI	PND	T9	CON	SCO	GE	H	14.7	450	330				7	5500									12DP
15AF11		TDI	PND	T9	CON	SCO	GE	H	14.7	450	330		2.0	200	9	4400									12DP
15AF11		PND	TDI	T9	IFA	SRC	GE	H	14.7	450	330		5.0	250	24	11000									12DP
15CW5		PND	SIN	T6	AFA	SRC	RE	H	15.0	300	250		100	12.0	200	60	8800								9CV
15EA7		TRI	DIS	T9	VDA	RCD	GE	H	14.8	450	550		50	10.0	175	40	6000	6	920	6.0	1.3				88D
15EA7		TRI	DIS	T9	VDO	SCO	GE	H	14.8	450	350				2	2200									88D
15EW6		PND	SIN	T5	IFA	SCO	GE	H	15.0	150	330		3.1	125	11	14000									7CM
15F7		TRI	DIS	T9	VDA		GE	H	14.8	450	550		50	10.0	175	40	6000	6	920	2.4	0.4				12EJ
15F7		TRI	DIS	T9	VDO	RCD	GE	H	14.8	450	350				2	2200									12EJ
15F7		TRI	DIS	T9	VDO	SCO	GE	H	14.7	450	330		20	1.0	250	1	1600	65	40K	2.2	0.6				12EJ
15HB6		PND	SIN	T6	VDA	SRC	RC	H	14.7	300	350		10.0	250	40	20000									9NW

NUMERICAL LISTING -- CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	CULD	USE	TUBE CHAR	REG.	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.
									V	MA	W	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	OUT	
16AQ3		DIO	SIN	T6	REC	VAC	RE	H	16.4	600	250	250	5.0	5.0	250	48	11300		38K	10.0	2.0	9CB
16K6		PND	SIN	T6	AFA	SRC	TA	H	16.0	300	440	550	400	13.2	250	57	5900				7.0	9GK
16K8		TRI	8EA	T6	OSC		TA	H	16.0	300	250	250	75	1.0	200	10	3400	18				9JE
16K8		8EA	TRI	T6			TA	H	16.0	300	500	500		7.0	250							9JE
17AX3	S	DIO	SIN	T9	DA	VAC	GE	H	16.8	150	5K	1000	5.3	5.3	165							128L
17AV5GA		8EA	SIN	T11	HDA	RCD	GE	H	16.8	450	550	400	11.0	11.0	250	57	5900		14K	14.0	7.0	6CK
17AX4GTA		DIO	SIN	T9	DA	VAC	SY	H	16.8	450	4K	600			32	250			8.5	5.0		4CG
17AY3		DIO	SIN	T9	DA	VAC	RC	H	16.8	450	5K	1100	6.5	6.5	900	175						9HP
17BE3	S	DIO	SIN	T9	DA	VAC	GE	H	16.8	450	5K	1200	6.5	6.5						8.0		128L
17BH3	S	DIO	SIN	T9	DA	VAC	RC	H	17.0	600	6K	1100	6.5	6.5								9HP
17BQ6GTB		8EA	SIN	T9	HDA	RCD	SY	H	16.8	450	550	400	11.0	11.0	250	55	5500		20K	15.0	7.5	6AM
17B83		DIO	SIN	T6	DA	VAC	TO	H	16.8	450	6K	1200	6.5	6.5	19	250				8.5		9C8
17BS3		DIO	SIN	T9	DA	VAC	RC	H	16.8	450	5K	1100	6.0	6.0	12	140						9HP
17C5		8EA	SIN	T5	PA	RCD	GE	H	16.8	450	135			5.5	110	50	7500		10K	13.0	9.0	7CV
17C9A		TET	TWN	T6	VHF	SCD	SY	H	16.8	150	250	20	1.5	1.5	125	10	8000		100K			10F
17CA5		8EA	SIN	T5	PA	SRC	SY	H	16.8	450	130			5.0	125	37	9200		15K	15.0	9.0	7CV
17CU5	08S	8EA	SIN	T5	PA	RCD	WH	H	16.8	450	135			6.0	120	50	7500		10K	13.0	8.5	7CV
17D4A	S	DIO	SIN	T9	DA	VAC	TS	H	16.8	450	5K	9005	8.0	8.0	185				9.0	7.0		4CG
17DE4	S	DIO	SIN	T9	DA	VAC	RC	H	17.0	600	5K	1100	6.5	6.5	175							4CG
17DM4A		DIO	SIN	T9	DA	VAC	WH	H	16.8	450	5K	1200	6.5	6.5	200					8.5		4CG
17DQ4	S	DIO	SIN	T9	DA	VAC	RA	H	16.8	450	6K	1000	6.0	6.0	175					5.0		4CG
17DQ68		8EA	SIN	T12	HDA	RCD	GE	H	16.8	450	770	610	18.0	18.0	250	65	7300		18K	15.0	7.0	6AM
17GE5		8EA	SIN	T12	HDA	RCD	GE	H	16.8	450	770	550	17.5	17.5	250	75	6600		20K	16.0	7.0	128J
17GJ5	S	8EA	SIN	T12	HDA	HIP	RC	H	16.8	450	770	550	17.5	17.5	250	70	7100		15K	15.0	6.5	9QK
17GT5	S	8EA	SIN	T12	PA	HIP	RC	H	16.8	450	770	550	17.5	17.5	250	70	7100		15K	15.0	6.5	9NZ
17GV5		8EA	SIN	T12	HDA	RCD	GE	H	16.8	450	770	175	17.5	17.5	250	65	7300		18K	16.0	7.0	12DR
17GW6	S	8EA	SIN	T12	PA	RCD	RC	H	16.8	450	770	550	18.0	18.0	250	70	7100		15K			6AM
17H3		DIO	SIN	T6	DA	VAC	GE	H	17.5	300	2K	450	3.0	3.0	13	75				4.0		9FK
17HC8		TRI	PND	T9	VDO	SCD	SY	H	16.8	450	330		1.0	1.0	250	1	2000	68	34K	3.0	2.6	9EX
17HC8		PND	TRI	T9	VDA	RCD	SY	H	16.8	450	350		11.0	11.0	250	38	5100		55K	10.0	8.0	9EX
17J86		8EA	SIN	T12	HDA	RCD	RC	H	16.8	450	770	175	17.5	17.5	250	70	7100		150K	15.0	6.0	9QL
17JK8		TRI	DIS	T6	OSC	SCD	SY	H	16.8	150	165	22	1.0	1.0	100	5	6800	55	8000	5.0	4.0	9AJ
17JK8		TRI	DIS	T6	RFA	SCD	SY	H	16.8	150	200	22	2.0	2.0	135	10	13000	70	5400	3.0	1.0	9AJ
17JZ8		TRI	8EA	T9	VDO	SRC	GE	H	16.8	450	250	20	1.0	1.0	150	3	1900	22	11K	2.2	0.7	12D2
17JZ8		8EA	TRI	T9	VDA	RCD	GE	H	16.8	450	250	70	7.0	7.0	120	46	7100		12K	11.0	7.0	12D2
17L6GT	S	8EA	SIN	T9	PA	RCD	SY	H	16.8	450	200		10.0	10.0	200	47	8000		28K			7S
17R5		8EA	SIN	T5	VDA	RCD	SY	H	16.8	450	150	155	4.5	4.5	110	40	7000		13K	13.0	9.0	7CV
17W6GT	S	8EA	SIN	T9	PA	RCD	WH	H	16.8	450	300	180	10.0	10.0	200	47	8000		28K	15.0	9.0	7S
18A5		8EA	SIN	T9	HDA	RCD	GE	H	18.5	300	350	310	9.0	9.0	200	40	4800		27K	13.0	7.0	6CK
18DZ8		TRI	PND	T6	AFA	SCD	SO	H	18.0	300	150	5	0.8	120	800U			100				9EX
18DZ8		PND	TRI	T6	PA		SO	H	18.0	300	150	60	6.5	6.5	145	45	7500					9EX
18FW6A	S	PND	SIN	T5	RFA	SRC	SY	H	18.0	100	150		2.5	100	11		4400		250K	5.5	5.0	78K
18FX6A		PTG	SIN	T5	CON	SRC	SY	H	18.0	100	150		1.0	100	9				400K		8.0	7CH

TUBE TYPE NUMBER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.		
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT			
18FY6A	S	DWD	TRI	T5	OET	VAC	SY	H	18.0	100						10	2					78T	
18FY6A	S	TRI	OWO	T5	RFA	SRC	SY	H	18.0	100	150			0.5	100	600U		1300	100	77K	2.4	0.22	78T
18GD6A	S	PND	SIN	T5	RETA	SCO	SY	H	18.0	100	150			2.5	100	5		4300		500K	6.0	5.0	78K
18GE6A		OWD	TRI	T5	DET	VAC	SY	H	18.0	100			1										78T
18GE6A		TRI	DWO	T5	RFA		SY	H	18.0	100	150			0.5	100	1		1700	70	40K	2.4	0.2	78T
18H88		TRI	PNO	T6	AF		SY	H	18.0	300	150			0.8	115			3900	74				9ME
18H88		PNO	TRI	T6	AF		SY	H	18.0	300	150		135	6.5	115	32		6200					9ME
19AU4GTA		DIO	SIN	T9	OA	HIP	TS	H	18.9	600	4K	1050	400	6.0	15	175		6000		25K	11.0	8.5	4CG
19BG6G		8EA	SIN	ST16	HOA	RCD	GE	H	18.9	300	700			20.0	250	75						6.0	58T
19C8		TRD	TRI	T6	OET	HIP	#PL	H	18.9	150						6						5.2	9E
19C8		TRI	TRO	T6	VA	SCO	#PL	H	18.9	150	250			1.0	100	500U		1200	100	80K			9E
19CL88		TRI	TET	T6	OSC	SRC	SY	H	18.9	150	330			2.5	125	14		8000	40	5000	2.8	1.5	9FX
19CL88		TET	TRI	T6	MIX	SRC	SY	H	18.9	150	330			3.0	125	12		6500		200K	5.0	2.0	9FX
19DE7		TRI	DIS	T6	VOA	RCD	SY	H	19.4	300	275		175	7.0	150	35		6500	6	925	5.5	1.0	9HF
19OE7		TRI	OIS	T6	VOO	RCD	SY	H	19.4	300	330		77	1.5	250	6		2000	18	8750	2.2	0.52	9HF
19EA8A		TRI	PNO	T6	OSC	SRC	SY	H	18.9	150	330			3.0	150	18		8500	40	5000	3.0	0.3	9AE
19EA8A		PND	TRI	T6	MIX	SRC	SY	H	18.9	150	330			3.1	125	12		6400		80K	5.0	2.6	9AE
19E28		TRT		T6	GEN	SRC	GE	H	18.9	150	330			2.0	125	4		4200	57	14K	2.4		9KA
19GQ7		TRO		T6	DET	VAC	RA	H	18.9	150	330		54		117	54							9AX
19HR6		PND	SIN	T5	GEN	SRC	RC	H	18.9	150	300			3.0	200	13		8500		500K	8.8	5.2	78K
19HS6		PNO	SIN	T5	GEN	SCO	RC	H	18.9	150	300			3.0	150	9		9500		500K	8.8	5.2	78K
19HV8		TRI	PNO	T6	IFA	SCO	GE	H	18.9	150	330			0.6	100	800U		1300	70	54K	1.7	0.38	9FA
19HV8		PND	TRI	T6	AF	SRC	GE	H	18.9	150	330			3.0	125	12		6500		200K	5.5	2.4	9FA
19J6		TRI	TWN	T5	RFA	SCO	RC	H	18.9	150	300		15	1.5	100	8		5300	38	7100	2.2	0.4	78F
19JN8	S	TRI	PNO	T6	OSC	SRC	GE	H	18.9	150	300			2.5	125	14		8500	46	5400	3.2	2.2	9FA
19JN8	S	PNO	TRI	T6	RFA	SRC	GE	H	18.9	150	300			2.5	125	12		7500		200K	3.2	2.2	9FA
19KG8	S	TRI	PNO	T6	OSC	SRC	GE	H	18.9	150	300			2.5	125	14		8500	46	5400	3.2	2.2	9LY
19KG8	S	PNO	TRI	T6	MIX	SRC	GE	H	18.9	150	300			2.5	125	12		7500		200K	5.5	3.4	9LY
19Q9	S	TRI	PNO	T6	AF	SRC	SY	H	18.9	150	330			2.5	125	14		8000	40	5000	3.2	1.1	10H
19Q9	S	PND	TRI	T6	MIX	SRC	SY	H	18.9	150	330			3.0	125	12		6500		200K	5.0	2.4	10H
19T8A	S	TRD	TRI	T6	OET	HIP	SY	H	18.9	150						5							9E
19T8A	S	TRI	TRO	T6	AF	SCO	SY	H	18.9	150	300			1.0	250	1		1200	70	58K	1.6	1.1	9E
19V8	08S	TRO	TRI	T6	OET	HIP	#PL	H	18.9	150						10							9AH
19V8	08S	TRI	TRD	T6	VA	SCO	#PL	H	18.9	150	300			1.0	250	1		1200	70	58K			9AH
19X8		TRI	PNO	T6	OSC	SRC	RC	H	18.9	150	250			1.5	100	8		5800	40	6900	2.0	0.5	9AK
19XL		PNO	TRI	T6	MIX	SRC	RC	H	18.9	150	250			2.0	250	8		4600		750K	4.3	0.7	9AK
20EQ7		OIO	PND	T6	OET	VAC	RC	H	20.0	100					10								9LQ
20EQ7		PNO	DIO	T6	RFA	RCD	RC	H	20.0	100	300			3.0	100	9		3800		250K	5.5	5.0	9LQ
20EZ7		TRI	TWN	T6	AF		RC	H	20.0	100	330			1.2	250	1		1600	100	62K			9MJ

NUMERICAL LISTING - CONTINUEO

TUBE TYPE NUMBER	CODE	KINO	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	V	MA	W	EB	IB	GM	MU	RP	IN	OUT	
21EX6	OBS	BEA	SIN	T12	HOA	RCO	RA	H	21.5	600	770	220	22.0	175	67	7700	8500			14K	22.0	8.5	5BT
21GY5		BEA	SIN	T12	HDA	RCO	GE	H	21.0	450	770	230	18.0	130	40	7700	8500			14K	22.0	9.0	12OR
21H05		BEA	SIN	T12	HOA	RCO	RA	H	21.5	600	770	280	24.0	135	65	10000	8500			5000			12ES
22BH3		OIO	SIN	T9	DA	VAC	RC	H	22.4	450	6K	1100	6.5										9HP
22OE4		OIO	SIN	T9	OA	VAC	SY	H	22.4	450	5K	1100	6.5			175					6.5		4CG
24GA7		OIO	PNO	T12	OA	VAC	RA	H	24.0	600	6K	140	5.0										12EB
24GA7		PNO	OIO	T12	PA	RCO	RA	H	24.0	600	770	150	15.0	250	75	6600				20K			12EB
25AV5GA	S	BEA	SIN	T11	HDA	RCO	GE	H	25.0	300	550	400	11.0	250	57	5900				14K	14.0	7.0	6CK
25AX4GT	S	OIO	SIN	T9	OA	VAC	RA	H	25.0	300	4K	750	4.8	21	125							5.0	4CG
25BK5		BEA	SIN	T6	PA	SRC	GE	H	25.0	300	250		9.0	250	37	8500				100K	13.0	5.0	9BQ
25BQ6GT		BEA	SIN	T9	VDA	RCO	#PL	H	25.0	300	550	400	11.0	250	55	5500				20K	15.0	7.5	6AM
25BR3		OIO	SIN	T6	OA	VAC	TO	H	25.0	300	6K	1200	6.5	19	250							8.5	9CB
25C5	S	BEA	SIN	T5	PA	RCO	RA	H	25.0	300	135		5.5	110	50	7500				10K	13.0	6.1	7CV
25C6GA	S	BEA	SIN	T12	PA	RCO	SY	H	25.0	300	200		12.5	135	66	7100				18K			7S
25CA5	S	BEA	SIN	T5	PA	SRC	GE	H	25.0	300	130		5.0	125	37	9200				15K	15.0	9.0	7CV
25C06GA	S	BEA	SIN	T12	HOA	RCO	GE	H	25.0	600	700	700	20.0	175	75	7700				7200	22.0	8.5	5BT
25CR5	OBS	BEA	SIN	T6	HDA	RCO	WH	H	25.0	300	600	400	11.0	250	65	6000				18K	12.9	6.9	9HC
25CU6	S	BEA	SIN	T12	HDA	RCO	SY	H	25.0	300	600	400	11.0	250	57	5900				14K	15.0	7.0	6AM
25D4	OBS	OIO	SIN	T9	DA	VAC	SY	H	25.0	300	4K	900	5.5	15	155								4CG
25DK4		OIO	SIN	T5	REC	VAC	GE	H	25.0	150	330	100		117	90								5BQ
25ON6		BEA	SIN	T12	HOA	RCO	SY	H	25.0	600	700	700	15.0	125	70	9000				4000	22.0	11.5	5BT
25OQ6A	OBS	BEA	SIN	T12	HDA	RCO	SY	H	25.0	300	700	440	15.0	250	75	6600				20K	15.0	7.0	6AM
25OT5	OBS	BEA	SIN	T6	VDA	RCO	SY	H	25.0	300	315	190	9.0	250	38	6200					12.5	4.9	9HN
25EC6	S	BEA	SIN	T12	HOA	RCO	GE	H	25.0	600	700	700	10.0	135	70	7500				4700	24.0	10.0	5BT
25EH5		PNO	SIN	T5	PA	SCO	RC	H	25.0	300	135		5.0	110	42	14600				11K	17.0	9.0	7CV
25F5		BEA	SIN	T5	PA	RCO	SY	H	25.0	150	135		4.5	110	37	5800				16K	12.0	6.0	7CV
25F5A		BEA	SIN	T5	PA	SRC	RC	H	25.0	150	150		5.5	110	43	6400				130K	12.0	8.0	7CV
25FY8		TRI	PNO	T6	VA	SCO	#HY	H	25.0	300	150		1.0	125	3	2700		46		17K			9EX
25FY8		PNO	TRI	T6	HF		#HY	H	25.0	300	150		8.0	125	66	7500				5000			9EX
25GF6		BEA	SIN	T10	PA		TA	H	25.0	300	400	160	10.0										6AM
25L6GT	S	BEA	SIN	T9	PA	RCO	#HY	H	25.0	300	200		10.0	200	47	8000				28K		6.0	7S
25W4GT	S	OIO	SIN	T9	OA	VAC	GE	H	25.0	300	4K	750	3.5	13	125								4CG
25W6GT	S	BEA	SIN	T9	PA	RCO	GE	H	25.0	300	300	180	10.0	200	47	8000				28K	15.0	9.0	7S
25Z6GT	S	OIO	TWN	T9	REC	VAC	#HY	H	25.0	300	700	450		117	75								7Q

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BUL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS					TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT			
26A6		PNO	SIN	T5	RFA	RCO	RC	H	26.5	70	250		3.0	250	10	4000		1M	6.0	5.0	78K		
26A7GT		BEA	TWN	T9	PA	SRC	RC	H	26.5	600	50		2.0	26	20	5700			16.0	13.0	88U		
268K6	08S	OWD	TRI	T5	REC	HIP	TS	H	26.5	70					1						78T		
268K6	08S	TRI	DWO	T5	VA	SCO	TS	H	26.5	70	300			250	1	1600	100	62K			78T		
26C6	S	DWD	TRI	T5	OET	VAC	RC	H	26.5	70											78T		
26C6	S	TRI	OWD	T5	VA	SCO	RC	H	26.5	70	250		2.5	250	10	1900	16	B500	1.8	1.4	78T		
26CG6	08S	PND	SIN	T5	IFA	RCO	SY	H	26.5	70	300		4.0	250	9	2000		720K	5.0	5.0	78K		
26D6		PTG	SIN	T5	CON		RC	H	26.5	70	300	14	1.0	250	3			1M	5.8	14.0	7CH		
26E6WC	S+	BEA	SIN	T11	PA	RCO	TS	H	26.5	300	220		12.5	200	66	7100		1BK			7S		
26Z5W	+	OIO	TWN	T6	REC	VAC	TS	H	26.5	200	1K	300		325	100						9BS		
27GB5		8EA	SIN	T9	PA	SRC	AM	H	27.0	300	275	275	6.0	75	440						9NH		
2807W	+	BEA	TWN	T9	PA	RCO	SY	H	28.0	400	100		3.0	28	12	3400		4200			88S		
28GB5		BEA	SIN	T9	PA	SRC	AM	H	28.0	300	275	275	6.0	75	440						9NH		
28HD5		8EA	SIN	T12	HOA	RCO	RA	H	28.0	450	770	280	24.0	135	65	10000		5000			12ES		
29GK6		PND	SIN	T6	AFA	SRC	RA	H	28.6	150	440		13.2	250	48	11300		38K	10.0	7.0	9GK		
30AE3		DIO	SIN	T6	REC	VAC	RE	H	30.0	300	550	550	5.0	250	220			B.6	2.0	9C8			
30AG11		DWO	TTR	T9	HF	VAC	GE	H	30.0	150		1B							2.2	120A			
30AG11		TTR	OWD	T9	HF	SCO	GE	H	30.0	150	330		2.0	125	8	7800	66	8500	3.8	0.24	12DA		
32ET5A	S	8EA	SIN	T5	PA	SRC	SY	H	32.0	100	150		5.4	110	30	5500		22K	12.0	6.0	7CV		
32GA7		OIO	PNO	T12	OA	VAC	RA	H	32.0	450	6K	140	5.0	250	75	6600		20K			12EB		
32GA7		PNO	DIO	T12	PA	RCO	RA	H	32.0	450	770	150	15.0	250							12EB		
34GD5A	S	8EA	SIN	T5	PA	SRC	RC	H	34.0	100	150		5.0	110	35	5700			12.0	9.0	7CV		
35A5		BEA	SIN	T9	PA	RCO	*PL	H	35.0	150	200		8.5	200	44	6000		40K			6AA		
35B5	S	BEA	SIN	T5	PA	RCO	RC	H	35.0	150	117		4.5	110	41	5800			11.0	6.5	78Z		
35C5A	S	BEA	SIN	T5	PA	RCO	SY	H	35.0	150	135		4.5	110	41	5800		13K	12.0	9.0	7CV		
35CD6GA		8EA	SIN	T12	HOA	RCO	SY	H	35.0	450	700	700	20.0	175	75	7700		7200	22.0	8.5	58T		
35D5		PNO	.SIN	T6	AFA	SRC	MI	H	35.0	150	275		10.0	170	58	9500		20K			9FU		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	V	MA	W	EB V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT	
35DZ8		TRI	PND	T6	AFA	SCO	SO	H	35.0	150	150	5	0.8	120	800U	1400	100					9EX
35DZ8		PND	TRI	T6	PA	PA	SO	H	35.0	150	150	6C	6.5	145	45	7500						9EX
35EH5A		PND	SIN	T5	PA	SRC	CI	H	35.0	150	150		5.0	110	32	12000		14K	17.0	9.0	7CV	
35FN5		PND	SIN	T12	HDA	RCD	CI	H	35.0	300	250	700	16.0	100		17000		3500	25.0	11.0	BGD	
35GL6		8EA	SIN	T5	PA	RCD	GE	H	35.0	150	110		5.5	110	47	7500		12K	14.0	9.5	7FZ	
35H88		TRI	PND	T6	AFA		SY	H	35.0	150	150		0.8	115		3900	74				9ME	
35H88		PND	TRI	T6	AFA		SY	H	35.0	150	150	135	6.5	115	32	6200					9ME	
35L6GT		8EA	SIN	T9	PA	RCD	TS	H	35.0	150	200		8.5	200	43	6100		34K			7S	
35W4A	S	DIO	SIN	T5	REC	VAC	SY	H	35.0	150	360	660		117	100						58Q	
35Y4		DIO	SIN	T9	REC	VAC	SY	H	35.0	150	700	600		235	100						5AL	
35Z3		DIO	SIN	T9	REC	VAC	*PL	H	35.0	150	700	600		235	100						4Z	
35Z5GT		DIO	SIN	T9	REC	VAC	*NU	H	35.0	150	700	600		235	100						6AD	
36AM38	S	DIO	SIN	T5	REC	VAC	RC	H	36.0	100	365	580		120	75						58Q	
40FR5		PND	SIN	T5	PA		SY	H	40.0	100	150		5.2	110	35	6000		20K	12.0	9.0	7CV	
50A5	S	8EA	SIN	T9	PA	RCD	SY	H	50.0	150	200		10.0	200	55	8200		35K			6AA	
50B5	S	8EA	SIN	T5	PA	RCD	RC	H	50.0	150	135		5.5	110	50	7500		10K	13.0	6.5	78Z	
50BK5		8EA	SIN	T6	PA	SRC	WH	H	50.0	150	250		9.0	250	37	8500		100K	13.0	5.0	98Q	
50C5A	S	8EA	SIN	T5	PA	RCD	SY	H	50.0	150	135		5.5	110	50	7500		10K	13.0	9.0	7CV	
50C6GA		8EA	SIN	T12	PA	RCD	RA	H	50.0	300	200		12.5	135	66	7100		18K			7S	
50CA5		8EA	SIN	T5	PA	SRC	*HY	H	50.0	150	130		5.0	125	37	9200		15K	15.0	9.0	7CV	
50DC4		DIO	SIN	T5	REC	VAC	GE	H	50.0	150	330	720		117	110						58Q	
50EH5A		PND	SIN	T5	PA	SRC	SY	H	50.0	150	150		5.0	110	32	12000		14K	17.0	9.0	7CV	
50FA5		PND	SIN	T5	PA	SRC	SY	H	50.0	100	150		5.2	110	41	5800		13K	11.0	8.5	7CV	
50FE5		8EA	SIN	T9	AFA	RCD	RC	H	50.0	150	175		14.5	130	88	9500		8000	15.0	9.0	8KB	
50FK5		PND	SIN	T5	AFA		GE	H	50.0	100	150		5.0	110	32	12800		14K	17.0	9.0	7CV	
50FY8		TRI	PND	T6	VA		*HY	H	50.0	150	150		1.0	125	3	2700	46	17K			9EX	
50FY8		PND	TRI	T6	HF		*HY	H	50.0	150	150		8.0	125	66	7500		5000			9EX	
50HC6		PND	SIN	T5	PA	SCO	GE	H	50.0	150	150		5.5	110	42	14600		11K	17.0	9.0	7FZ	
50HK6		8EA	SIN	T5	PA	SRC	GE	H	50.0	150	150		5.5	110	50	7500		10K	14.0	9.0	7FZ	
50L6GT	S	8EA	SIN	T9	PA	RCD	RC	H	50.0	150	200		10.0	200	47	8000		28K			7S	
50X6	S	DIO	TWN	T9	REC	VAC	SY	H	50.0	150	700	450		117	75						7AJ	
50Y6GT	S	DIO	TWN	T9	REC	VAC	*HY	H	50.0	150	700	450		117	75						7Q	
56R9		TRI	8EA	T9	VA	SCO	GE	H	14.0	150	150		1.0	100	600U	1800	100	60K	3.4	0.6	12EN	
56R9		8EA	TRI	T9	PA	RCD	GE	H	42.0	150	150	65	6.5	120	49	7500		10K	12.0	6.5	12EN	

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT	MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.
										V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS
60FX5 70L7GT 70L7GT		PNO OIO PND	SIN PND DIO	T5 T9 T9	PA REC PA	SRC VAC RCO	RC RC RC	H H H	60.0 70.0 70.0	100 150 150	150 350 117	5.5 4.20 5.0	110 117 110	35 70 43	13500 7500	18K 15K	17.0 9.0		7CV 8AA 8AA
117L7GT 117L7GT 117Z3 117Z6GT	S S	OIO PNO OIO DIO	PND OIO SIN TWN	T9 T9 T5 T9	REC PA REC REC	VAC RCO VAC VAC	TS TS TS HY	H H H H	117.0 117.0 117.0 117.0	90 90 40 75	350 117 330 700	4.50 4.20 5.40 3.60	117 105 117 117	75 43 90 60			5300	17K	8AO 8AO 4CB 7Q
323B 393A 394A 395A		TRI TRI TRI TRI	SIN SIN SIN SIN	ST16 ST16 ST14 T4	THY THY THY THY	GAS GAS GAS GAS	WE WE CH TS	F F F C	2.5 2.5 2.5	7000 7000 3200	1K 1K 1K 140	6000 6000 2500 35	1K 1K 1K 75	1500 1500 640 10					5AU 5AV 4AW FL
407A 408A	S+ S+	TRI PND	TWN SIN	T6 T5	GEN GEN	SRC SRC	SY SY	H H	40.0 20.0	50 50	330 180	18 18	150 120	8 7	5500 5000	35	2.2 3.9	1.0 2.85	780
CK501 CK502AX 502A CK505 CK507	S S OBS OBS	PND PNO TET PNO PNO	SIN SIN SIN SIN SIN	T3X2 T3X2 MT8 T3X2 T3X2	VA PA THY PA PA	SCO GAS SCO SCO SCO	RA RA GE RA RA	F F H F F	1.2 1.2 6.3 0.6 1.2	30 30 600 30 45	30 45 1K 90	1 1000	45 650	200 500 100	220K 250K		2.7 2.5	5.7	FL FL 68S FL FL
CK510AX CK511 CK512AX CK515BX CK518AX		TET PNO PNO TRI PNO	TWN SIN SIN SIN SIN	T3X2 T3X2 T3X2 T2 T3X2	AFA VA AFA VA PA	SCO SCO SCO SCO SCO	RA RA RA RA RA	F F F F F	0.6 1.2 0.6 0.6 1.2	50 50 20 30 30	45 45 25 45 45		30 15 50U	50 100 200	600K 2M 190K 350K		2.4 2.3	2.1 1.5	FL FL FL FL FL
CK521AX CK523AX CK524AX CK525AX CK526AX	OBS OBS OBS OBS OBS	PNO PNO PNO PNO PNO	SIN SIN SIN SIN SIN	T3X2 T3X2 T3X2 T3X2 T3X2	PA PA PA PA PA	SCO SCO SCO SCO SCO	RA RA RA RA RA	F F F F F	1.2 1.2 1.2 1.2 1.2	50 30 30 20 20	22 22 15 22 45	600U 300U 450U 250U 1		400 400 300 300 400	40K 300K 200K 330K 220K				FL FL FL FL FL
CK527AX CK528AX CK529AX CK531AX CK533AX	OBS OBS OBS OBS OBS	PNO PNO PNO PNO PNO	SIN SIN SIN SIN SIN	T3X2 T3X2 T3X2 T2 T3X2	PA PA PA PA PA	SCO SCO SCO SCO SCO	RA RA RA RA RA	F F F F F	1.2 1.2 1.2 1.2 1.2	15 20 20 20 15	45 45 15 15 45	500U 675U 320U 300U 650U		22 22 400 400	2M 700K 300K 250K 500K				FL FL FL FL FL
CK534AX CK535AX CK536AX CK537AX CK5380X	OBS OBS OBS OBS OBS	PNO PNO PNO PNO PNO	SIN SIN SIN SIN SIN	T3X2 T3X2 T3 T3X2 T2X1	VA PA PA PA VA	SCO SCO SCO SCO SCO	RA RA RA RA RA	F F F F F	0.6 1.2 1.2 1.2 0.6	15 20 15 20 15	30 15 22 22 15	100U 320U 360U 450U 50		15 9U 36 400	5M 300K 500K 220K 10M				FL FL FL FL FL

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS	EIA BASE NO.
									V	MA	W	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	
CK539DX	OBS	PND	SIN	T2X1	PA	SCO	RA	F	1.2	15	22	250U					300		250K	FL
CK541DX	OBS	PND	SIN	T2X1	PA	SCO	RA	F	1.2	15	30	250U					400		500K	FL
CK542DXS	OBS	PND	SIN	T2X1	PA	SCO	RA	F	1.2	15	22	13U					300		150K	FL
CK543DX	OBS	PND	SIN	T2X1	VA	SCO	RA	F	0.6	15	15									FL
CK544DX	OBS	PND	SIN	T2X1	PA	SCO	RA	F	1.2	10	30	135U					300		1M	FL
CK545DX	OBS	PND	SIN	T2X1	VA	SCO	RA	F	0.6	8	15	5U					16		12M	FL
CK546DX	OBS	PND	SIN	T2X1	PA	SCO	RA	F	1.2	10	45	500U					400		200K	FL
CK547DX	OBS	PND	SIN	T2X1	PA	SCO	RA	F	1.2	10	45					375U	400		750K	FL
CK548DX	OBS	PND	SIN	T2X1	PA	SCO	RA	F	1.2	10						270U	400		250K	FL
CK549DX	OBS	PND	SIN	T2X1	VA	SCO	RA	F	0.6	10						240U	300		12M	FL
CK572AX	OBS	PND	SIN	T3X2	PA	SCO	RA	F	1.2	20	45	550U					17		850K	FL
CK574AX	OBS	PND	SIN	T3X2	RFA	SCO	RA	F	0.6	20						125U	200		1M	FL
CK576DV	OBS	PND	SIN	T3X1	VA	SCO	RA	F	0.6	5	15	4U							12M	FL
CK577CX	OBS	PND	SIN	T3		SCO	RA	F	1.2	20	68	150U					100			FL
CK578AX	OBS	PND	SIN	T3X2	PA	SCO	RA	F	1.2	125	110	7					2000			FL
CK579	OBS	DIO	SIN	T3	REC	VAC	RA	F	1.2	360	15K	4				50	500U			
837		PND	SIN	ST16	RFA	RCO	RC	H	12.6	700	500	40	12.0			500	3400		16.0	68M
884	OBS	TRI	SIN	ST12	THY	GAS	RC	H	6.3	600	350	300				300	75		10.0	6Q
954	OBS	PND	SIN	ACO	RFA	SCO	RC	H	6.3	150	250					250	2		3.4	588
955	OBS	TRI	SIN	ACO	RFA	RCO	RC	H	6.3	150	250					250	6		3.0	58C
956	OBS	PND	SIN	ACO	RFA	RCO	RC	H	6.3	150	250					250	7		3.4	58B
CK1005	DIO	TWN	MTB	REC	GAS	RA	RA	F	6.3	50	450	210				225	35			5AQ
CK1006	DIO	TWN	ST14	REC	GAS	RA	RA	F	1.8	2000	2K	600				800	200			4C
CK1007	DIO	TWN	MTB	REC	GAS	RA	RA	F	1.0	1200	980	330				330	110			8DX
CK1024	OBS	DIO	TWN	MTB	REC	GAS	RA	C			1K	48C				500	160			4R
CK1027	OBS	DIO	SIN	T5	REC	GAS	RA	C			3K	30				1K	3			58U
CK1036	OBS	DIO	SIN	T3	REC	GAS	RA	C			3K					1K	100U			FL
CK1037	OBS	DIO	SIN	T3	REC	GAS	RA	C			720	125U				700	25U			FL
CK1038	OBS	DIO	SIN	T3	REC	GAS	RA	C			915	55U				900	25U			FL
CK1039	OBS	DIO	SIN	T3	REC	GAS	RA	C			1K	100U				1K	25U			FL
CK1041	OBS	DIO	SIN	T3	REC	VAC	RA	F	1.2	50	12K	100U				20	500U			
CH1046	OBS	TRI	SIN	T5	THY	GAS	CH	H	28.0	380	1K	20A				1K	50			
CK1047	OBS	DIO	SIN	T5	REC	GAS	RA	C			3K	100				1K	12			
CK1048	OBS	DIO	SIN	T3	REC	VAC	RA	F	1.2	185	25K	5								
CK1050A	OBS	TRI	SIN	T2	IND	GAS	RA	F	1.2	250	118	11				65	2			FL
CK1054	OBS	TRI	SIN	T4	THY	GAS	RA	F	1.4	50	45	700U				45	450U		1.2	1.3

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS					TYPICAL CHARACTERISTICS						CAPACITANCE		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT					
CK1055 CK1057 CK1059 CK1061	OBS	DIO	SIN	T3	REG	GAS	RA	C			250	300U		150	75U		750K						FL		
	OBS	TET	SIN	T2	TRG	GAS	RA	C			123	B		6B	2							FL			
	OBS	DIO	SIN	T3	REC	VAC	RA	F	1.2	100	25K	2													
	+	DIO	SIN	T3	REG	GAS	RA	C			155	25		9B	15							FL			
1216 1217 1218A 1237 125B	S	TRI	TWN	T5	ONA	SRC	SY	H	6.3	300	175	9	0.5	100	5	3400	27	7950	2.4	0.5			78F		
	S	PTG	SIN	T5	ONA	SRC	SY	H	6.3	300	250	20	1.0	150	6		20K			5.4	7.6	7CH			
		TRI	SIN	T5	GGA	SRC	SY	H	6.3	225	300	30	4.0	200	18	10700	55			5.5	1.8	7DK			
	OBS	DIO	TWN	T9	REC	GAS	SY	F	2.5	1130	100	15A		20	3000										
	S*	TRI	SIN	T6	THY	GAS	CH	H	6.3	1800	1K	20A		600	50								7FJ		
1616 1620	OBS	DIO	SIN	T16	REC	VAC	RC	F	2.5	5000	6K	800		75	130							4P			
	S+	PND	SIN	MTB	VA	SCO	RC	H	6.3	300	250			250	2	1200		1M	7.0	12.0		7R			
VC2044 2050W	OBS	TRI	SIN	T6	THY	GAS	CH	H	6.3	850	1K	20A		600	50								68S		
	S+	TET	SIN	T9	THY	GAS	CH	H	6.3	600	1K	1000		600	100										
4604		BEA	SIN	T12	PA	RCD	RC	H	6.3	650	400	150	25.0	200	100	6000			11.0	8.5			7CL		
5516 5517 5590 5591 5594	OBS	BEA	SIN	T11	PA	RCD	#HY	F	6.0	700	600		15.0	400	100	4000			8.5	6.5			7CS		
		TRI	SIN	T5	REC	GAS	RA	C			3K	100		1K	12							58U			
	OBS	PND	SIN	T5	UHF	SRC	WE	H	6.3	150	180	18	1.7	90	4	2000		450K	3.2	2.0		78D			
	OBS	PND	SIN	T5	UHF	SCO	BT	H	6.3	150	180	18	1.7	130	8	5100		350K	4.0	2.85		78D			
		TRI	SIN	T16	THY	GAS	CH	F	2.5	5000	5K	2000		2K	500								3G		
5608 5610 5618 5636 5639	OBS	TRI	TWN	ST14	VA	SRC	RA	H	2.5	5000	350	30	5.5	300	6	2400	32	13K					7B		
	OBS	TRI	SIN	T5	GEN	SRC	GE	H	6.3	150	300		3.0	90	17	4000	14	3500				6CG			
		PND	SIN	T5	VHF	SRC	RC	H	6.0	230	300	30	5.0	250	18	3500			7.0	5.0		7CU			
	S*	PND	SIN	T3	GA	SRC	SY	H	6.3	150	165	11	1.1	100	5	3200		110K	4.0	1.9		80C			
		PND	SIN	T3	VHF	SRC	SY	H	6.3	450	165	40	4.0	150	21	9000		50K	9.0	4.6		8DE			
5641 5642 5643 5644 5647	S*	DIO	SIN	T3	REC	HIP	SY	H	6.3	450	930	300		235	45							6CJ			
		DIO	SIN	T3	REC	VAC	SY	F	1.2	200	10K	5		8K	150U					0.6		28			
	S*	TET	SIN	T3	THY	GAS	SY	H	6.3	150	500	100		150	16			1.6	1.5			80D			
	*	DIO	SIN	T3	REG	GAS	SY	C			130	25		95	15							4CN			
5647		DIO	SIN	T2	DET	VAC	SY	H	6.3	150	460	60		150	9							FL			
5651WA 5654 5656 5663 5670WA		DIO	SIN	T5	REF	GAS	RC	C			115	4		85	2								58D		
	S	PND	SIN	T5	UHF	SCO	RA	H	6.3	175	200	20	1.6	150	7	4300		420K	4.0	2.85			78D		
		TET	TWN	T6	VHF	SRC	RA	H	6.3	400	250	20	3.0	150	16	5800		60K	3.6	1.5			9F		
		TET	SIN	T5	THY	GAS	GE	H	6.3	150	500	60		11	20								6CE		
	S*	TRI	TWN	T6	GEN	SRC	GE	H	6.3	350	330	18	1.6	150	8	5500	35	6400	2.2	1.0			8CJ		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.	
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN		OUT
5672	S	PND	SIN	T3X2	PA	SRC	RA	F	1.2	50	100	6	68	3	600		125K	2.8	3.5	FL	
5676		TRI	SIN	T3X2	UHF	SRC	RA	F	1.2	120	150	11	135	4	1600	15				FL	
5677		TRI	SIN	T2X2	UHF	SRC	RA	F	1.2	60	135	2			800	16		1.1	3.3		
5678	S*	PND	SIN	T3X2	RFA	SCO	RA	F	1.2	50	90		68	2	1100		1M	3.3	3.8	FL	
5686		8EA	SIN	T6	PA	RCO	RA	H	6.3	350	250	40	7.5	250	27	3100	45K	6.4	4.0	9G	
5687WA	S*	TRI	TWN	T6	GEN	RCO	TS	H	12.6	450	330	65	3.8	120	36	11500	18		4.0	0.6	9H
5690	S+	DIO	TWN	T12	REC	VAC	RC	H	12.6	1200	1K	375		700	110					6S	
5691	S+	TRI	TWN	T9	VA	SCO	RC	H	6.3	600	275	15	1.0	250	2	1600	70	44K		88D	
5692	S+	TRI	TWN	T9	VA	RCO	RC	H	6.3	600	275	15	1.8	250	6	2200	20	9100		88D	
5693	S+	PND	SIN	MT8	VA	SCO	RC	H	6.3	300	300	10	2.0	250	3	1600	1M	5.3	6.2	8N	
5696	S	TET	SIN	T5	THY	GAS	GE	H	6.3	150	500	125			28					78N	
5702WA	S+	PND	SIN	T3	VHF	SCO	RA	H	6.3	200	165	16	1.1	120	8	5000		340K	5.05	3.75	FL
5703H8	+	TRI	SIN	T3	UHF	SRC	RA	H	6.3	200	200	15	1.4	120	9	5000	26		2.6	0.85	FL
5704WA		DIO	SIN	T2	DET	VAC	RA	H	6.3	150	460	60		165	9				2.2	2.2	FL
5718		TRI	SIN	T3	UHF	SRC	SY	H	6.3	150	165	22	3.3	150	13	6500	27		2.2	0.7	8DK
5719	*	TRI	SIN	T3	AFA	SCO	SY	H	6.3	150	165	3	0.6	150	2	2300	70		1.7	0.6	8DK
5725	S*	PND	SIN	T5	RFA	SCO	RA	H	6.3	175	200	20	1.6	120	5	3200			3.9	3.0	7CM
5726	S*	DIO	TWN	T5	REC	VAC	RA	H	6.3	300	360	60		117	9				3.2		68T
5727	S*	TET	SIN	T5	THY	GAS	GE	H	6.3	600	1K	500		460	100			2.4			78N
5744W8	S	TRI	SIN	T3	UHF	SCO	RA	H	6.3	200	275	6	1.3	250	4	4000	70		2.7	2.3	FL
5749	S*	PND	SIN	T5	RFA	RCO	GE	H	6.3	300	300		3.0	250	11	4400		1M	5.5	5.0	78K
5750	S*	PTG	SIN	T5	CON		GE	H	6.3	300	300	14	1.0	250	3				5.5	7.6	7CH
5751	S+	TRI	TWN	T6	VA	SCO	GE	H	12.6	175	330		0.8	250	1	1200	70	58K	1.4	0.46	9A
5755	S	TRI	TWN	T6	VA	SCO	WE	H	12.6	180	225	4	0.9	310	150U	500	70	140K	1.5	0.8	9J
5763	S	8EA	SIN	T6	VHF	RCO	RC	H	6.0	750	300	50	12.0	300	50	7000			9.5	4.5	9K
5783W8	*	DIO	SIN	T3	REF	GAS	RA	C			91	4		86	2						FL
5784WA	S+	PND	SIN	T3	VHF	SRC	RA	H	6.3	200	165	16	1.2	120	5	3200					FL
5785	*	DIO	SIN	T3X2	REC	VAC	RA	F	1.2	15	4K	520U		2K	80U						FL
5787W8		DIO	SIN	T3	REG	GAS	RA	C			105	25		100	15						FL
5799		DIO	SIN	T3	REC	VAC	RA	F	1.2	10	3K	600U		5	200U						FL
5800		TET	SIN	T3	EL		VI	F	1.2	10	50	500U			18U						FL
5812	08S	8EA	SIN	T5	RFA	RCO	#HY	F	6.0	650	300	60	10.0	250	40	4300	8	63K	9.0	7.4	7CQ
5814A	S+	TRI	TWN	T6	GEN	RCO	GE	H	12.6	175	330	22	3.0	250	10	2200	17	7700	1.6	0.5	9A
5823	S	TRI	SIN	T5	TRG	GAS	RC	C			200	100		117	25						4CK
5824		PND	SIN	T9	PA	RCO	GE	H	25.0	300	200		12.5	135	69	5000	15K				7S
5829WA		DIO	TWN	T3X2	REC	VAC	RA	H	6.3	150	360	28		117	5						FL
5838	S	DIO	TWN	T9	REC	VAC	BE	H	12.6	600	1K	230		400	50						6S
5839	S	DIO	TWN	T9	REC	VAC	8E	H	26.5	255	1K	230		400	50						6S
5840	S*	PND	SIN	T3	UHF	SRC	SY	H	6.3	150	165	16	1.1	100	8	5000		260K	4.0	1.9	8DE
5841		DIO	SIN	T3	REG	GAS	VI	C			930	500		900	26U						FL

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT	
5842	S	TRI	SIN	T6	GGA	SCD	WE	H	6.3	300	200	38	4.5	38	4.5	130	27	27000	43	1600	9.0	1.8	9V
5844	S	TRI	TWN	T5	ONA	SRC	GE	H	6.3	300	200	10	1.0	10	1.0	100	5	37000	28	7550	2.6	0.5	78F
5847	S	PND	SIN	T6	RFA	SCD	WE	H	6.3	300	200	40	3.3	40	3.3	160	14	13000	200K		7.2	3.15	9X
5852	S	DIO	TWN	T9	REC	VAC	8E	H	6.3	1200	1K	230				400	50						6S
5854	08S	PND	SIN	T3X2	PA	SCD	RA	F	1.2	30	50					45	800U	600	350K				FL
5857	08S	HEX	SIN	T6	VHF	SCD	#NU	H	6.3	450	350		1.5			300	8	20000	70K		9.3	2.2	
5875		PND	SIN	T3X2	OSC	SCD	RA	F	1.2	100	100	7				90	4	2500			4.0	4.0	FL
5876		TRI	SIN	PEN	UHF	SCD	RC	H	6.3	135	300	25	6.2	25	6.2	250	18	6500	56	8625			
5879	S	PND	SIN	T6	VA	SRC	RC	H	6.3	150	300		1.2			250	2	1000	2M		2.7	2.4	9AD
5881	S	8EA	SIN	T11	PA	RCO	TS	H	6.3	900	400		23.0			300	55	5300	35K				7S
5884	08S	TET	TWN	T3X2	EL	SRC	RA	F	1.2	10	25	500U				10	100U	23	1				FL
5885		TET	TWN	T3	EL	SCD	RA	F	1.2	20	22	300U				14	185U	200					
5886	S	PND	SIN	T3X2	EL	SCD	RA	F	1.2	10	22	300U				8	6U	14	8M		2.2		FL
5889	S	PND	SIN	T3	EL	SCD	RA	F	1.2	8	45	300U				12	4U	10					FL
5896	S	DIO	TWN	T3	DET	VAC	SY	H	6.3	300	460	60				150	9				2.4		8DJ
5899	S*	PND	SIN	T3	UHF	SRC	SY	H	6.3	150	165	16	1.1	16	1.1	100	7	4500	260K		4.0	1.9	8DE
5902WA	S*	8EA	SIN	T3	PA	RCO	SY	H	6.3	450	165	50	4.0	50	4.0	110	30	4200	15K		6.5	4.5	8DE
5903	S	DIO	TWN	T3	DET	HIP	SY	H	26.5	75	460	60				165	9						8DJ
5904		TRI	SIN	T3	VA	SCD	SY	H	26.5	45	55	22				26	3	5000	20		2.2	0.8	8DK
5905	S	PND	SIN	T3	UHF	SCD	SY	H	26.5	45	55	10				26	2	2800	150K		4.0	3.4	8DE
5906	S	PND	SIN	T3	UHF	SRC	SY	H	26.5	45	165	16	1.1	16	1.1	100	8	5000	260K		4.0	1.9	8DE
5907	S	PND	SIN	T3	UHF	SCD	SY	H	26.5	45	55	10				26	3	3000	100K		4.0	1.9	8DE
5908	*	PND	SIN	T3	UHF	SCD	SY	H	26.5	150	55	10				26	3	2200	31K		4.0	3.2	8DC
5910	S	PND	SIN	T5	VA	SCD	RA	F	1.4	50	90	6				90	2	900	2M		3.6	7.5	6AR
5915A	S	PTG	SIN	T5	ONA	SRC	GE	H	6.3	300	250	70	1.0	70	1.0	150	6	2400			5.4	7.6	7CH
5916	S	PND	SIN	T3	GA	SRC	SY	H	26.5	45	165	11	1.1	11	1.1	100	5	3200	110K		4.0	3.4	8DC
5920	08S	TRI	TWN	T5	VA	SCD	AM	H	6.3	400	150	20	1.5	20	1.5	100	8	5500	25		3.1	0.3	78F
5930	08S	TRI	SIN	T12	PA	RCO	SY	F	2.5	2500	300		15.0			250	60	5200	4				4D
5931	S+	DIO	TWN	T12	REC	VAC	SY	F	5.0	3000	2K	2500				450	225						5T
5932	S+	8EA	SIN	T12	PA	RCO	SY	H	6.3	900	400		21.0			350	66	5200	33K		12.0	7.0	7S
5933	S+	8EA	SIN	T12	PA	RCO	SY	H	6.3	900	600		25.0			600	36						5AW
5947		DIO	SIN	T9	REG	VAC	8E	F	4.5	1750	250	45	7.0	45	7.0	90	2						FL
5950		DIO	SIN	T3	REG	GAS	VI	C			730	50U				700	26U						3Z
5960		TRI	SIN	MT8	TRG	GAS	8E	C			1K	100A				100	90						7EX
5962		DIO	SIN	T5	REG	GAS	RA	C			2K	55U				700	25U						9A
5963	S	TRI	TWN	T6	ONA	SRC	RC	H	12.6	150	250	100	2.5	100	2.5	68	7	2800	22	7850	1.9	0.5	
5964	S	TRI	TWN	T5	ONA	SRC	RC	H	6.3	450	250	75	1.5	75	1.5	100	10	6000	39	6500	2.1	0.4	78F
5965A	S+	TRI	TWN	T6	ONA	HIP	GE	H	12.6	225	330	16	4.0	16	4.0	150	8	7000	47	6700	4.0		9A
5967	08S	TRI	TWN	T3	VHF	SCD	RA	F	1.2	120	50	4				45	3	2000	17		0.9	0.9	8DQ
5968	08S	TRI	TWN	T3	VHF	SCD	RA	F	1.2	120	45	4				45	700U	50			0.9	0.9	8DQ
5969	08S	TET	TWN	T3	VHF	SRC	RA	F	1.2	200	150	15	1.0	15	1.0	135	6	1700			2.5	2.5	8DR

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS IN DUT	EIA BASE NO.
									V	MA	MA	V	MA	W	EB V	18 MA	GM UMFO	MU	RP OHMS	
5970		PND	TWN	T3	VHF	SRC	RA	F	1-2	160	45	5	5		45	3	1800		170K	8DS
5971		TRI	SIN	T3X2	VHF	SCD	RA	F	1-2	80	90	5	5		68	4	2100	23		FL
5972		PND	SIN	T3X2	RFA	SCD	RA	F	1-2	60	75				68	2	1300		1M	FL
5977	S	TRI	SIN	T3	GEN	SRC	SY	H	6-3	150	180	22	22	3-3	100	10	4500	16		8DK
5987	+	TRI	SIN	T3	PA	RCO	SY	H	6-3	450	165	50	50	4-0	100	9	1800	4		8DM
5992	S+	BEA	SIN	T9	PA	RCO	BE	H	6-3	600	300			12-0	250	47	4000		45K	7S
5993	S	DIO	TWN	T6	REC	VAC	BE	H	6-3	800	1K	23C			325	70				9AZ
5998A	S	TRI	TWN	T12	REG	VAC	GE	H	6-3	2400	275	140	140	15-0	110	100	15500	5	350	88D
6000		BEA	SIN	T11	PA	RCO	TS	H	26-5	280	600	125	125	25-0	600	70	8000		15-0	6CK
6004	OBS	DIO	TWN	T9	REC	VAC	HY	F	5-0	2000	1K	375			375	120				8EA
6005	S+	BEA	SIN	T5	PA	RCO	GE	H	6-3	450	275			11-0	250	47	4100		52K	78Z
6008		PND	SIN	T2	VA	SCD	RA	F	0-6	13	22	50U					100		4M	
6012		TET	SIN	T12	THY	GAS	RC	H	6-3	2600	1K	5000			650	500				6CQ
6021	S*	TRI	TWN	T3	UHF	SCD	SY	H	6-3	300	165	22	22	1-1	100	6	5400	35	6500	8DG
6028	S	PND	SIN	T5	UHF	SCD	WE	H	20-0	50	180	18	18	1-7	120	9	5600		250K	78D
6029		TRI	SIN	T3X2	UHF	RCO	RA	F	1-2	200	135	14	14	1-0	90	11	2000	8		FL
6045	OBS	TRI	TWN	T5	PA	RCO	SY	H	6-3	350	330	22	22	1-6	100	9	6400	38		78F
6046	S	BEA	SIN	T9	PA	RCO	GE	H	25-0	300	200			10-0	200	47	8000		28K	7S
6050	S	TRI	SIN	T3X2	UHF	SRC	RA	F	1-2	120	150	11	11		135	4	1600	15		FL
6051		PND	SIN	T3X2	PA	SCD	RA	F	1-2	100	68	10	10	0-4	45	4	1400		35K	FL
6072A	S+	TRI	TWN	T6	AFS	SRC	GE	H	12-6	175	330	4	4	1-6	250	3	1800	44	25K	9A
6073	S+	DIO	SIN	T5	REG	GAS	RC	C			185	30	30		151	18				580
6074	S+	DIO	SIN	T5	PEG	GAS	RC	C			133	30	30		108	18				580
6080WA	S+	TRI	TWN	T12	PA	RCO	RC	H	6-3	2500	250	125	125	13-0	135	125	7000	2	280	88D
6082	S	TRI	TWN	T12	PA	RCO	RC	H	26-5	600	250	125	125	13-0	135	125	7000	2	280	88D
6087	S+	DIO	TWN	T9	REC	VAC	GE	H	5-0	2000	1K	375			350	125				5L
6088		PND	SIN	T3X2	PA	SCD	RA	F	1-2	20	68	2	2		45	650U		700K		FL
6092	OBS	PND	SIN	T3X2	PA	SCD	RA	F	1-2	50	68	4	4		45	1	600			FL
6094	S+	BEA	SIN	T6	PA	RCO	BE	H	6-3	600	275	60	60	12-5	250	45	4200		32K	9DH
6098	S+	BEA	SIN	T11	PA	RCO	TS	H	6-3	1200	600	125	125	21-0	250	77	5400		21K	68Q
6099	S	TRI	TWN	T5	RFA	SRC	RC	H	6-3	450	330	25	25	1-6	100	9	6000	38		78F
6100	S	TRI	SIN	T5	VA	RCO	GE	H	6-3	150	330	20	20	3-8	250	10	2200	17		68G
6101	S+	TRI	TWN	T5	RFA	RCO	RC	H	6-3	450	330			0-8	100	8	6000	38	6300	78F
6106	S	DIO	TWN	T9	REC	VAC	BE	H	5-0	1700	2K	415			150	125				5L
6110	S+	DIO	TWN	T3	DET	VAC	SY	H	6-3	150	460	26	26		35	4				80J
6111	S*	TRI	TWN	T3	VA	SRC	SY	H	6-3	300	165	22	22	1-1	100	8	5000	20	4000	80G
6112	S*	TRI	TWN	T3	VA	SCD	SY	H	6-3	300	165	3	3	0-6	150	2	2500	7C	28K	80G
6113	OBS	TRI	TWN	T9	VA	RCO	NU	H	6-3	300					250	2	1600	70	44K	88D
6119	DIO	SIN	T3	REG	GAS	VI	C				2K	100U			2K	51U				FL
6134	S+	PND	SIN	MT8	RFA	SRC	GE	H	6-3	450	300			3-0	300	10	9000		1M	8N
6135	S	TRI	SIN	T5	GEN	RCO	GE	H	6-3	175	300	25	25	3-5	250	10	2200	17	7700	68G

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS						CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT		
6136	S+	PND	SIN	T5	RFA	SCO	GE	H	6.3	300	300					3.0	250	11	5200		1M	6.0	5.0	78K	
6137	S+	PNO	SIN	MT8	RFA	RCO	GE	H	6.3	300	300					3.0	250	9	2000		800K	5.0	7.0	8N	
6140	OBS	DIO	SIN	T6	REG	GAS	WE	C			160	8					100	6					98Y		
6141	OBS	TRI	SIN	T6	REG	GAS	WE	C			165	40					100	22					98Z		
6142		OIO	SIN	T2	REG	GAS	BE	C			300	400U					150	238U					FL		
6143		OIO	SIN	T3	REG	GAS	VI	C			1K	100U					1K	51U					FL		
6145		PND	SIN	T9	VA	SCO	SY	H	6.3	600	300					10.0	150	34	9700		100K	14.0	7.5	8V	
6146A	S	8EA	SIN	T12	PA	RCO	SY	H	6.3	1250	750	150	25.0	200	100	7000						13.5	8.5	7CK	
6147	OBS	PNO	SIN	T3	RFA	SRC	RA	F	2.5	62	180	14	1.5	125	6	1600					175K	2.6	2.15	6CL	
6152	+	TRI	SIN	T3X2	UHF	SRC	RA	H	6.3	200	180	22	1.1	100	10	5100		18				2.9	1.28	FL	
6159A	S	8EA	SIN	T12	PA	RCO	SY	H	26.5	300	750	150	25.0	200	100	7000						13.5	8.5	7CK	
6174		TRI	SIN	T5	REC	GAS	RA	C			3K	30					1K	3						58U	
6184	OBS	OIO	TWN	T3	UHF	HIP	#NU	H	6.3	150	450	50					150	8				2.5		8EH	
6186	S	PNO	SIN	T5	VHF	SRC	RA	H	6.3	300	330		2.5	250	7	5000					800K	6.5	1.8	780	
6187	S	PNO	SIN	T5	RFA	SCO	RA	H	6.3	175	200	20	1.7	120	5	3200						4.0	3.0	7CM	
6188	S+	TRI	TWN	T9	GEN	SCO	TS	H	6.3	300	275		1.1	250	2	1600		70			44K			88D	
6189	S+	TRI	TWN	T6	AFA	RCO	SY	H	12.6	150	330	22	3.0	250	10	2200		17			7700	1.6	0.4	9A	
6195		8EA	SIN	T3	PA	SRC	RA	F	1.2	220	125	9				2100					120K			6CL	
6197	S	PNO	SIN	T6	ONA	SRC	RC	H	6.3	650	300	50	7.5	250	30	11000					90K	11.5	5.0	98V	
6201	S+	TRI	TWN	T6	VHF	SRC	GE	H	12.6	150	300		2.5	250	10	5500		60			11K	2.2	0.5	9A	
6202	S+	OIO	TWN	T5	REC	VAC	GE	H	6.3	600	1K	200					325	50						58S	
6203	S*	OIO	TWN	T6	REC	VAC	GE	H	6.3	900	1K	270					325	70						9C0	
6205	S	PNO	SIN	T3	UHF	SRC	SY	H	6.3	150	165	16	1.1	100	8	5000					260K	4.0	1.9	80C	
6206	S	PNO	SIN	T3	UHF	SRC	SY	H	6.3	150	165	16	1.1	100	7	4500					260K	4.0	1.9	80C	
6211A	S+	TRI	TWN	T6	ONA	HIP	GE	H	12.6	150	200	14	1.3	100	7	4700		31			6500	2.9		9A	
6213		DIO	SIN	T3	REF	GAS	RA	C			200	2					130	2						FL	
6215	OBS	DIO	SIN	T9	REC	VAC	GE	F	1.2	200	18K	8					56	1						3C	
6216	+	8EA	SIN	T6	PA	RCO	#HY	H	6.3	1200	300	110	10.0	200	51	8800					39K	12.3	6.7	9CE	
6221	+	TRI	SIN	T3	VA	SCO	SO	H	6.3	175	165	22	3.3	100	8	5800		27			4650	2.2	0.9	8HF	
6222	+	TRI	SIN	T3	VA	SCO	SO	H	6.3	175	165	3	0.6	100	700U							2.0	0.9	8HF	
6223	+	PND	SIN	T3	VA	SRC	SO	H	6.3	175	165	16	1.1	100	8	5000		70			4120	2.0		8DE	
6224	S+	8EA	SIN	T3	PA	RCO	SO	H	6.3	450	165	50	5.0	110	30	4200					175K	4.2	3.4	80E	
6225	+	PNO	SIN	T3	VA	SRC	SO	H	6.3	175	165	16	1.1	100	7	4500					10K	6.5	7.5	80E	
6245	S+	PND	SIN	T3	UHF	SRC	RA	H	6.3	200	200	20	1.8	120	8	5000					175K	4.1	3.4	80E	
																					150K	4.4	3.15	FL	
6247WA	S+	TRI	SIN	T3	VA	SRC	RA	H	6.3	200	275	6	1.2	250	4	2600		60				2.0	0.7	8FO	
6263		TRI	SIN	PEN	UHF	RCO	RC	H	6.0	280	400	70	13.0	350	40	7000		27							
6264		TRI	SIN	PEN	UHF	SRC	RC	H	6.0	280	400	70	13.0	350	35	6800		40							
6265	S+	PNO	SIN	T5	VA	SRC	GE	H	6.3	175	300		2.0	250	7	4600					1M	5.2	4.4	7CM	
6281	S	PNO	SIN	T3X2	AFA	SCO	RA	F	0.6	20	25	100U				15	50U				2M	2.5	3.4	FL	
6286		TRI	SIN	T3X2	OSC	SRC	RA	F	1.2	125	100	7	0.4	68	6	2100		12				1.3	2.1	FL	
6287	OBS	8EA	SIN	T6	PA	RCO	SY	H	6.3	600	275	85	13.2	250	48	4100					55K	8.0	9.0	9CT	
6293	S	8EA	SIN	T12	PA	RCO	RC	H	6.3	1250	4K	3000	10.0	200	100	7300						13.5	8.5	7CK	
6299	S	TRI	SIN	CM	UHF	SCO	GE	H	6.3	300	200	12	2.0	175	10	11500		115			9600				

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICO FARADS		EIA BASE NO.		
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT			
6308	+	DIO	SIN	T3	REF	GAS	SY	C			4			86	2							8EX	
6332	OBS	OIO	SIN	T2	REG	GAS	#PL	C			80		6	55	500U							FL	
6350	S	TRI	TWN	T6	ONA	SRC	SY	H	12.6	300	300	300	300	3.5	3.5	150	11	4600	18	3900	3.6	0.6	9CZ
6354		DIO	SIN	T5	REG	GAS	RE	C			180			150							19.5	16.5	7DU
6355	OBS	TRI	TWN	T5	IND		#NU	H	6.3	140	275			250									
6385	S+	TRI	TWN	T6	GEN	SRC	BE	H	6.3	500	300	25	25	1.5	1.5	150	8	5000	35				8CJ
6386	+	TRI	TWN	T6	CA	SRC	GE	H	6.3	350	300	18	18	1.5	1.5	100	10	4000	17	4250	2.0	1.1	8CJ
6395	OBS	PNO	SIN	T5	RFA	SCO	RA	F	1.2	50	100	6	6			90	2	900			3.7	6.3	6AR
6397		BEA	SIN	T3	PA	SRC	RA	F	2.5	62	135	14	14	1.5	1.5	125	7	2000			2.6	2.15	6CL
6414	+	TRI	TWN	T6	ONA	SRC	GE	H	12.6	225	200	160	160	2.0	2.0	180	8	5600	42	7650	4.0	0.47	9A
6417	S	BEA	SIN	T6	VHF	RCO	RC	H	12.6	375	300	50	50	12.0	12.0	300	50	7000			9.5	4.5	9K
6418	S	PNO	SIN	T2X1	PA	SCO	RA	F	1.2	10	30	500U				22	240U	300		420K			FL
6419	S	PNO	SIN	T2X1	VA	SCO	RA	F	0.6	10	25	100U				15	55U	100		2M			FL
6436	S	OIO	SIN	T3	REC	GAS	RA	C			2K	10				1K	100U						FL
6437	S	OIO	SIN	T3	REG	GAS	RA	C			2K	125U				700	25U						FL
6438	S	OIO	SIN	T3	REG	GAS	RA	C			2K	125U				1K	25U						FL
6463	S	TRI	TWN	T6	ONA	SRC	GE	H	12.6	300	300	300	300	4.0	4.0	250	14	5200	20	3850	3.0	0.6	9CZ
6483	OBS	TET	SIN	T3	TRG	GAS	SY	C			500	10A				450							FL
6485	S	PNO	SIN	T5	1FA	SCO	RA	H	6.3	450	300	25	25	3.2	3.2	300	10	9000		500K	10.0	2.0	78K
6486	OBS	PNO	SIN	T6	RFA	SCO	BE	H	6.3	250	180	18	18	2.0	2.0	120	4	3200			4.4	3.7	9DV
6519		PND	SIN	T2X1	PA	SCO	RA	F	1.2	10	30	600U				22	400U	400		300K			FL
6520	S	TRI	TWN	ST16	PA	RCO	CH	H	6.3	2500	300	125	125	14.0	14.0	135	112	7000	2	280	8.4	2.2	880
6525	OBS	TET	SIN	T5	THY	GAS	GE	H	6.3	150	500	60	60			500	20						78N
6526		PND	SIN	T3X2	PA	SRC	RA	F	1.2	125	135	12	12	1.1	1.1	110	6	1900		140K			FL
6533WA	S+	TRI	SIN	T3	VA	SCO	RA	H	6.3	200	150	2	2	0.5	0.5	120	900U	1800	54		1.75	0.6	8FY
6540	S+	PND	SIN	T3	VHF	SRC	RA	H	6.3	200	165	16	16	1.1	1.1	120	8	5000		150K	4.8	3.5	FL
6542	+	OIO	SIN	T3	REG	GAS	RA	C			168	25	25			150	15						FL
6582A	OBS	PNO	SIN	T6	RFA	SRC	BE	H	6.3	250	200	20	20	2.0	2.0	120	8	4500		500K	4.5	3.0	9EJ
6611		PNO	SIN	T3X2	RFA	SCO	RA	F	1.2	20	50	2	2	0.1	0.1	30	1	1000		400K	4.0	4.0	FL
6612		PND	SIN	T3X2	RFA	SCO	RA	F	1.2	80	50	6	6	0.2	0.2	30	3	3000		180K	5.5	4.2	FL
6626	S+	OIO	SIN	T5	REG	GAS	#HY	C			165	30	30			150	18						580
6627	S+	DIO	SIN	T5	REG	GAS	#HY	C			170	30	30			108	18						580
6659	S	DIO	SIN	T3	REC	GAS	RA	C			3K	40				1K	8						FL
6660	S	PNO	SIN	T5	RFA	RCO	GE	H	6.3	300	330			3.3	3.3	250	11	4400		1M	5.5	5.0	78K
6661	S	PND	SIN	T5	RFA	SRC	GE	H	6.3	150	330			3.3	3.3	250	7	4600		1M	5.4	4.4	7CM
6662	S	PNO	SIN	T5	RFA	RCO	GE	H	6.3	150	330			3.3	3.3	250	9	3600		1M	4.5	5.5	7CM
6663	S	OIO	TWN	T5	OET	HIP	GE	H	6.3	300	275	60	60			3	10						68T
6664	S	TRI	SIN	T5	GEN	SRC	GE	H	6.3	150	330			2.9	2.9	250	10	5500	60	11K	2.2	0.5	5CE

TUBE TYPE NUMBER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.	
									V	MA	V	MA	W	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS		IN
6669	S	8EA	SIN	T5	PA	RCD	GE	H	6.3	450	250		12.0	250		47	4100			52K	8.0	8.5	782
6676	S	PNO	SIN	T5	RFA	SCD	GE	H	6.3	300	330		2.3	125		13	8000			280K	6.5	2.0	7CM
6677	S	PNO	SIN	T6	PA	SRC	GE	H	6.3	650	330		8.5	250		31	11000			150K	11.0	5.5	98V
6678	S	TRI	PNO	T6	OSC	SRC	GE	H	6.3	450	330		3.0	150		18	8500		40	5000	2.5	0.4	9AE
6678	S	PNO	TRI	T6	MIX	SRC	GE	H	6.3	450	330		3.0	250		10	5200			400K	5.0	2.6	9AE
6679	S	TRI	TWN	T6	RFA	SRC	GE	H	12.6	150	330		2.8	250		10	5500		60	11K	2.2	0.5	9A
6680	S	TRI	TWN	T6	AFA	RCD	GE	H	12.6	150	330		3.0	250		10	2200		17	7700	1.6	0.4	9A
6681	S	TRI	TWN	T6	VA	SCD	GE	H	12.6	150	330		1.1	250		1	1600		100	62K	1.6	0.46	9A
6688A	+	PNO	SIN	T6	VHF	SCD	RA	H	6.3	300	210	25	2.7	190		13	16500			90K	7.5	3.0	9EQ
6754	08S	DIO	TWN	T6	REC	VAC	8E	H	6.3	1000	1K	330		325		90							9ET
6763	+	DIO	SIN	T5	REC	GAS	RA	C			3K	100		1K		12							80E
6788	+	PND	SIN	T3	AFA	SCD	SY	H	6.3	175	250		0.5	100		800U				1M	2.5	3.2	80E
6792		8EA	SIN	T12	REG	RCD	*HY	H	6.3	450	25K	10	25.0	25K		1	200			10M	4.0	4.0	8GL
6814	+	TRI	SIN	T3	ONA	SRC	SY	H	6.3	150	165		2.2	100		10	6000		29	4800	2.2	0.7	8DK
6829	S+	TRI	TWN	T6	ONA	SRC	GE	H	12.6	225	275	160	2.2	150		8	6700		47	7000	4.0	0.5	9A
6830	08S	DIO	SIN	T5	REG	GAS	*HY	C			185	30		150		18							FL
6831	08S	DIO	SIN	T5	REG	GAS	*HY	C			133	30		108		18							FL
6832	S+	TRI	TWN	T3	VA	SCD	RA	H	6.3	400	165	3	0.1	100		800U		1000	26				8DG
6840	S+	TRI	TWN	T6	ONA	SRC	GE	H	12.6	400	300	500	4.0	250		14	6700		20	3000	4.0	0.7	9CZ
6842	S	PNO	SIN	T5	REG	SCD	*NU	H	6.3	150	4K	100	8.0	2K		4	2500			930K	3.95	1.34	7EQ
6851	08S	TRI	TWN	T6	VA		8E	H	6.3	250	330	8	1.0	250		1	1200		70	60K	1.6	0.46	9A
6853	08S	OIO	TWN	T9	REC	VAC	8E	H	5.0	1700	2K	415	1.0	350		125			35	6500	2.4	1.1	9FV
6854	08S	TRI	TWN	T6	VA	SRC	8E	H	6.3	500	300	20	1.5	150		8	5200		35	6500	2.4	1.1	9FV
6872	+	PNO	SIN	T3	VHF	SRC	RA	H	6.3	200	165	16	1.1	120		8	4100			340K	5.0	3.5	FL
6873	08S	TET	SIN	T5	TRG	GAS	SY	C			1K	500A		500		60A							FL
6877	+	TRI	SIN	T6	PA	RCD	8E	H	6.3	800	200	200	12.0	100		75	6500						9GB
6883A	S	8EA	SIN	T12	PA	RCD	SY	H	12.6	625	750	150	25.0	200		100	7000				13.5	8.5	7CK
6887		OIO	TWN	T5	ONA	HIP	RC	H	6.3	200	360	30		2		10							68T
6888	S	PND	SIN	T9	GA	SRC	SY	H	6.3	800	250	600	8.0	150		38					12.0	6.5	8N
6893	S	8EA	SIN	T9	PA	RCD	RC	H	12.6	400	600	75	17.0	250		42	3500				12.5	7.0	7CK
6900	S	TRI	TWN	T6	GEN	SRC	8E	H	12.6	450	330		4.2	120		36	11500		18		6.5	2.5	9H
6907		TET	TWN	T14	VHF	RCD	AM	H	12.6	650	750	82	12.5	300		50	2500				3.6	0.5	9A
6913	08S	TRI	TWN	T6	ONA	SRC	SY	H	12.6	300	300	300	3.5	150		11	4600		18	3900			68T
6919		OIO	TWN	T5	GA	HIP	GE	H	6.3	200	300	30		2		10							90E
6922	S+	TRI	TWN	T6	CA	SRC	RA	H	6.3	300	250	22	1.6	100		15	12500		33		3.9	1.95	
6931	08S	OIO	SIN	T9	REG	GAS	*PL	C			3K	500U		3K		275U							FL
6932		PND	SIN	T3	GA	SCD	RA	F	1.2	20	68	2		45		560U					3.5	3.85	
6939		TET	TWN	T6	VHF	SCD	AM	H	12.6	300	275	45	3.0	200		16	7500				6.4	1.6	
6943	S+	PND	SIN	T3	RFA	SRC	SY	H	6.3	175	250	15	1.0	100		8	3600			300K	3.8	3.8	8DC
6944	S+	PNO	SIN	T3	RFA	SRC	SY	H	6.3	175	250	15	1.0	100		7	3200			280K	2.9	3.1	8DC

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS				MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	V	MA	W	E8 V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT	
6945	+	BEA	SIN	T3	AFA	RCD	SY	H	6.3	350	250				3.0	100	25	3500		20K	5.0	5.5	BDE
6946	S+	TRI	SIN	T3	GEN	SRC	SY	H	6.3	175	250	15			1.5	100	9	3800	16		1.6	0.75	8DK
6947	S+	TRI	TW	T3	GEN	SRC	SY	H	6.3	350	250	13			0.8	150	6	4000	35		1.6	0.2	8DG
6948	+	TRI	TW	T3	GEN	SCD	SY	H	6.3	350	250	10			0.5	100	800U	1600	70		1.6	0.2	8DG
6954	S	PND	SIN	T5	GA	SCD	WH	H	6.3	300	300				3.0	150	6	2000		50K	6.0	5.0	7CM
6955	OBS	TRI	TW	T6	GEN	RCD	#HY	H	12.6	175	300	20			2.8	250	12	2400	16	7000	1.5	0.5	9A
6968	OBS	PND	SIN	T5	RFA	SRC	#HY	H	6.3	175	200	20			1.6	120	8	5000			4.0	2.8	78D
6973	S	8EA	SIN	T6	PA	RCD	AM	F	6.3	450	400				12.0	250	46	4800		73K	8.0	8.5	9EU
6977		TRI	SIN	T2	IND	VAC	AM	F	1.0	30	65	750U				50	585U						FL
6999		PND	SIN	T3X2	PA	SCD	RA	F	2.6	50	145	7			0.8	68	4	1600					FL
7025	S	TRI	TW	T6	VA	SCD	RC	H	12.6	150	300				1.0	250	1	1600	100	62K	1.6	0.46	9A
7027		BEA	SIN	T12	PA	RCD	RC	H	6.3	900	450	400			25.0	250	72	6000		22K	10.0	7.5	BHY
7036	S	PTG	SIN	T5	GA	SRC	GE	H	6.3	300	250	18			0.9	150	6				5.4	7.6	7CH
7044	S	TRI	TW	T6	ONA	SRC	SY	H	12.6	450	600	400			4.5	120	36	10000	19	1900	4.8	0.65	9H
7054	S	PND	SIN	T6	PA	SRC	RC	H	13.5	275	330				5.0	250	19	11500		100K	10.2	3.5	9GK
7055	S	DIO	TW	T5	DET	HIP	RC	H	13.5	155	350	60				117	9						68T
7056	S	PND	SIN	T5	IFA	SCD	RC	H	13.5	150	330				2.0	200	10	6200		600K	6.5	2.0	7CM
7057	S	TRI	TW	T6	RFA	SRC	RC	H	13.5	180	275				2.2	150	10	6800	36	5300	2.6	1.2	9AJ
7058	S	TRI	TW	T6	GEN	SCD	RC	H	13.5	155	330				1.0	250	1	1600	100	61K	1.6	0.46	9AJ
7059	S	TRI	PND	T6	OSC	SRC	RC	H	13.5	195	300				2.5	150	18	8500	40	4700	2.7	0.4	9AE
7059	S	PND	TRI	T6	MIX	SRC	RC	H	13.5	195	300				2.8	250	10	5200		400K	5.0	2.5	9AE
7060	S	TRI	PND	T6	VA	SCD	RC	H	13.5	280	300				2.5	150	9	4900	40	8200	2.4	0.22	9DA
7060	S	PND	TRI	T6	RFA	SRC	RC	H	13.5	280	300				3.0	200	15	7000		150K	7.1	2.5	9DA
7061	S	BEA	SIN	T6	PA	RCD	RC	H	13.5	210	345				9.0	200	38	4200		60K	8.0	8.5	9EU
7077	OBS	TRI	SIN	CM	RFA	SCD	GE	H	6.3	240	250	10			1.0	250	6	9000	80	8900			
7079	S+	TRI	TW	T3	UHF	SRC	RA	F	6.3	300	165	22			1.1	100	8	5000	20	4000	1.5	1.9	8DG
7083	S+	PND	SIN	T3	VHF	REG	RA	H	6.3	200	165	20			1.1	120	8	5000		340K	5.0	3.75	FL
7099		DIO	SIN	T2	REG	GAS	CH	C		225	300U					180							
7105	S+	TRI	TW	T12	PA	RCD	TS	H	12.6	1250	250	125			13.0	135	125	7000	2	280	6.0	2.2	88D
7119	OBS	TRI	TW	T6	ONA	SRC	RE	H	12.6	320	300	60			4.5	120	36	15000	24				9H
7137	S	TRI	SIN	T5	GGA	SRC	SY	H	6.3	225	150	20			2.2	150	14	8500	40		6.0	4.5	78Q
7167	S	TET	SIN	T5	VHF	SCD	WH	H	13.5	90	180	20			2.0	125	10	8000		125K	4.4	2.74	7EM
7189		PND	SIN	T6	PA	RCD	AM	H	6.3	760	400	65			12.0	250	48	11300		40K	10.8	6.5	9CV
7190	S+	TRI	SIN	T6	THY	GAS	TS	H	6.3	1800	1K	20A				1K	1000						7FJ
7191	S+	TRI	SIN	T6	THY	GAS	TS	H	6.3	1800	1K	20A				1K	1000						7FK
7192	S+	TRI	SIN	T6	THY	GAS	TS	H	6.3	1800	1K	20A				1K	1000						7FJ
7199	S	TRI	PND	T6	HF	SRC	RC	H	6.3	450	330				2.4	215	9	2100	17	8100	2.3	0.3	9JT
7199	S	PND	TRI	T6	VA	SCD	RC	H	6.3	450	330				3.0	220	12	7000		400K	5.0	2.0	9JT
7205	OBS	TET	SIN	T5	TRG	GAS	#HY	C				500A				550	10A				13.5	8.5	FL
7212	S+	BEA	SIN	T12	PA	RCD	RC	H	6.3	1250	750	135			25.0	600	100	7000					8EC
7229	OBS	TET	SIN	T5	TRG	GAS	#HY	C				1K				550	10A						FL
7230	OBS	TET	SIN	T5	TRG	GAS	#HY	C				1K				550	10A						FL
7231	OBS	TET	SIN	T3	TRG	GAS	#HY	C				700				550	10A						FL

TU8E TYPE NUMBER	CODE	KIND	TYPE	BUL8	USE	TU8E CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	E8 V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT			
7232	OBS	TET	SIN T3		TRG	GAS	#HY	C	6.3	1250	330	1K	140	7.5	550	10A	17500		230	7.5	2.2	FL	
7233		TRI	SIN T6		REG	RCO	GE	H	6.3	150	10K	8	12.0	8K	125	120	3800		1M			9FR	
7234	S	PND	SIN T6		REG	SCO	NU	H	6.3	300	10K	100	12.0	1K	2	800	550		700K			9KD	
7235		TRI	SIN T6		REG	RCO	#NU	H	6.3	300	10K	100	12.0	1K	2	800	550					9KE	
7236	S	TRI	TWN T12		PA	RCO	TS	H	6.3	2400	300	190	15.0	120	12500	100	12500		5	9.0	3.3	88D	
7239		8EA	SIN T6		REG	SRC	GE	H	6.3	300	2K	85	4.0	300	300	10	4200		300K	7.0	4.0	9KH	
7244A	OBS	TRI	TWN T5		VA	SRC	SY	H	6.3	450	300	12	1.1	100	100	9	6000		38	3.0	0.34	78F	
7245A	OBS	TRI	SIN T5		VA	SRC	SY	H	6.3	400	150	20	2.2	150	14	11000	50		78Q			78Q	
7246		TRI	SIN T3X2		GEN	SCO	RA	H	1.2	150	150	8	0.7	105	4	2700	22			1.6	1.9	FL	
7247	S	TRI	DIS T6		AFA	SCO	GE	H	12.6	150	330		1.2	250	1	1600	100		62K	1.6	0.37	9A	
7247	S	TRI	DIS T6		CON	RCO	GE	H	12.6	150	330	22	3.0	250	12	2200	17	7700		1.8	0.33	9A	
7258	S	TRI	PND T6		OSC	SRC	SY	H	13.5	210	330		2.8	150	15	4500	21	4700		2.0	0.26	9DA	
7258	S	PND	TRI T6		RFA	SCO	SY	H	13.5	210	330		2.3	125	12	7800		170K		7.0	2.4	9DA	
7266	OBS	DIO	SIN CM		DET	VAC	GE	H	6.3	215	600	10			2								
7296	OBS	TRI	SIN CM		VHF	SCO	GE	H	6.3	400	330	20	3.3	200	15	15000	80	5300		5.0	0.08		
7308	S+	TRI	TWN T6		GEN	SRC	AM	H	6.3	335	400	110	1.6	100	15	12500	33					9DE	
7311	+	8EA	SIN CM		PA		8E	H	6.3	800	300	100	21.0	250	86	6000							
7312	+	TRI	SIN CM		GEN		8E	H	6.3	1250	275	150	20.0	135	125	7100	2						
7313	+	DIO	SIN CM		REC	VAC	8E	H	6.3	1550	3K	1000											
7314	S+	8EA	SIN CM		PA		8E	H	6.3	600	330	40	10.0		30	10500			15.0	13.0			
7316	OBS	TRI	TWN T6		ONA	RCO	AM	H	12.6	150	250	20	2.8	100	12	3100	20	6250		1.8	0.5	9A	
7318	OBS	TRI	TWN T6		ONA	RCO	#HY	H	12.6	175	330	22	3.0	250	12	2400	16	7000		1.5	0.5	9A	
7323		TRI	SIN T2		THY	GAS	TS	C	1.2	280	80	3		65	2								
7327	S+	TRI	TWN T3		ONA		SY	H	6.3	300	300		1.0	300	700					1.9	0.32	8DG	
7355		8EA	SIN T9		PA	RCO	GE	H	6.3	800	500	100	18.0	250	74	7600		42K		13.0	6.0	8KN	
7357	S	8EA	SIN T12		PA	RCO	RC	H	26.5	300	750	135	25.0	600	100	7000			13.5	8.5		8EC	
7358	S+	8EA	SIN T12		ONA	RCO	RC	H	6.3	1250	4K	3000	10.0	3K	1500	7000			13.0	8.5		8EC	
7360		8EA	SIN T6		CON	SCO	RC	H	6.3	350	300		1.5	150	8	5400						9KS	
7370	S	TRI	TWN T6		GEN	RCO	TS	H	40.0	130	330	65	4.8	120	36	11500	18	1560		4.0	0.6	9H	
7391		TRI	SIN CM		UHF	SCO	GE	H	6.3	385	200	12	2.0	150	12	11000	62						
7400		TRI	SIN T4		THY	GAS	TS	C			180	12		150	7							FL	
7401		TRI	SIN T3		THY	GAS	TS	C			180	8		150	7							FL	
7408	S	8EA	SIN T9		PA	RCO	WH	H	6.3	450	350		14.0	250	47	4100		50K		9.0	7.5	7S	
7430	S	PND	SIN PC		UHF	SRC	WH	H	6.3	200	180	18	1.7	180	8	5100		500K				FL	
7432		PND	SIN T3		RFA	SCO	RA	H	6.3	200				100	8	5500			4.0	2.5			
7433		PND	SIN T3		RFA	SCO	RA	H	6.3	200				100	7	3100							
7434		PND	SIN T3		VA		RA	H	6.3	200				100	7					5.0	4.5		
7435		DIO	SIN T2		DET	VAC	MU	F	6.3	150	460	60							3.8	4.4		5DC	
7436	S	DIO	SIN T3		REC	VAC	MU	H	6.3	400	930	300										6CJ	
7437		TRI	SIN T3		VA	SCO	MU	F	6.3	150	100	8				4200	20						
7438		PND	SIN T3		VA	SCO	MU	F	6.3	175	100	3				2500						FL	
7439	OBS	TET	SIN T5		TRG	GAS	#HY	C			1K	500A		550	10A							FL	
7440	OBS	TET	SIN T3		TRG	GAS	#HY	C			700			550	10A							FL	
7441	OBS	TET	SIN T3		TRG	GAS	#HY	C			1K			550	10A							FL	
7462	OBS	TRI	SIN CM		UHF	SCO	GE	H	6.3	240	250	10	1.0	150	7	10500	94	9000		1.8	0.3		

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	K INO	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	W	V	MA	W	EB V	18 MA	GM UMHO	MU	RP OHMS	IN	CUT	
7486		TRI	SIN	CM	PA	SCO	GE	H	6.3	240	250	25	1.0	150	8	10500	90		1.7	0.1		
7489	S+	TRI	TWN	T6	AFA	SRC	ST	H	12.6	150	330	20	3.0	250	10	2200	17	7700	1.6	0.5	9A	
7490	+	TRI	TWN	T6	AFA	SCO	ST	H	12.6	300	300		5.0	250	6	3200	24				9A	
7492	S+	TRI	TWN	T6	RFA	SCO	ST	H	12.6	150	380	22	2.8	250	10	5500	60		2.5	0.45	9A	
7494	S+	TRI	TWN	T6	AFA	SCO	ST	H	12.6	150	330	20	1.1	250	1	1600	95	59K	1.6	0.34	9A	
7496	S+	PND	SIN	T5	RFA	SCO	ST	H	6.3	300	330		3.3	250	11	4400		1M	5.5	5.0	78K	
7498	+	PND	SIN	T5	RFA	SCO	ST	H	6.3	300	300		3.0	250	10	7600			7.6	3.2	780	
7499	+	PND	SIN	T6	VHF	SCO	ST	H	6.3	750	300	65	12.0	250	40	11000			12.5	5.0	90A	
7500	+	BEA	SIN	T6	PA	SRC	ST	H	6.3	450	350		13.2	250	45	4100		50K	8.3	7.0	9AH	
7502	+	PTG	SIN	T5	CON	SCO	ST	H	6.3	300	330	16	1.1	250	3	7200		1M	7.5	13.5	7CH	
7543	S+	PND	SIN	T5	IFA	SCO	SY	H	6.3	300	300		3.0	250	11	5200		1M	5.5	5.0	78K	
7548		HEX	SIN	T6	SEM	SCO	#HY	H	6.3	570	400	20	4.0	400	20	22000			10.0	4.0	9LJ	
7550	S+	TRI	TWN	T3	ONA	SRC	SY	H	6.3	525	300		2.0	300	1400			4.0	0.28	80G		
7551	S+	BEA	SIN	T6	RFA	RCO	RC	H	13.5	360	300	70	10.0	250	40	5300			10.0	5.5	9LK	
7552	+	TRI	SIN	PEN	UHF	SCO	RC	H	6.3	225	250	25	2.5	125	14	16000	70	4400	1.7	4.4		
7553	+	TRI	SIN	PEN	UHF	SCO	RC	H	6.3	225	250	25	2.5	125	12	13000	80	6150	4.4	0.03		
7558	S	BEA	SIN	T6	RFA	RCO	RC	H	6.3	800	300	70	10.0	250	40	5300			10.0	5.5	9LK	
7561		PND	SIN	T9	PA	SCO	TE	H	25.0	300	350	150	13.0	250	51	1000		5000			7S	
7576		TRI	SIN	T3	GGA	SCO	RA	H	6.3	450	250	50	4.1	200	16	10700	46		12.0		FL	
7586	+	TRI	SIN	MT4	GEN	SCO	RC	H	6.3	140	330	20	1.0	75	10	11500	33	2900	4.0	1.4	12AQ	
7587	+	TET	SIN	MT4	GEN	SCO	RC	H	6.3	150	330	20	2.2	125	10	10600		200K	6.5	1.4	12AS	
7588	S	TRI	SIN	CM	RFA	SCO	GE	H	6.3	400	300	30	5.5	200	25	40000	125	3100	6.5	0.08		
7591		PND	SIN	T9	PA	SCO	WH	H	6.3	800	550	85	19.0	300	75	10200		29K	10.0	5.0	8KQ	
7595	+	TRI	SIN	T3	TRG	GAS	#HY	C		350		400									FL	
7596	S+	TRI	SIN	T3	TRG	GAS	#HY	C		1K	100										FL	
7597	S+	TRI	SIN	T3	TRG	GAS	#HY	C		1K	100										FL	
7598	+	TRI	SIN	T3	TRG	GAS	#HY	C		2K	500A			550							FL	
7599	S+	TRI	SIN	T5	TRG	GAS	#HY	C		1K	500A			550							FL	
7600	S+	TRI	SIN	T5	TRG	GAS	#HY	C		6K	500A			500							FL	
7602	S+	TRI	SIN	T5	TRG	GAS	#HY	C		6K	500A			500							FL	
7625		TRI	SIN	CM	AFA	SCO	GE	H	6.3	240	275	4	0.8	150	950U	1400	80	57K	1.5	0.03		
7626	S	PND	SIN	T3X2	PA	SCO	RA	F	1.2	125	135	12	1.1	110	7	2000			3.2	2.9	58T	
7631	+	DIO	TWN	T5	VAC	SCO	ST	H	6.3	300	360	10		10								
7643	+	TRI	PND	T6	OSC	SCO	AM	H	6.3	330	275	18	1.8	100	14	5000	18				9AE	
7643	+	PND	TRI	T6	OSC	SCO	AM	H	6.3	330	275	18	2.2	170	10	6200		400K				
7644	S	TRI	SIN	CM	UHF	SCO	GE	H	6.3	300	200	12	2.0	175	10	15000	110					
7683		PND	SIN	T6	REG	SCO	VI	H	6.3	150	1K	20	15.0	800	12	4200		35K				
7687	S+	TRI	PND	T6	AFA	RCO	SY	H	6.3	500	330		2.4	215	8	2500	18	7200	2.2	0.3	9AE	
7687	S+	PND	TRI	T6	AFA	RCO	SY	H	6.3	500	330		3.0	220	10	5800		500K	7.0	2.8	9AE	
7688		TRI	T7	GEN	RCO	SCO	#HY	H	6.3	450	330	20	3.0	250	10	2200	17	7700			128A	
7689		TRI	T7	GEN	RCO	SCO	#HY	H	6.3	450	330		1.1	250	1	1600	100	62K			128A	
7690		TRI	T7	GEN	RCO	SCO	#HY	H	6.3	450	330		2.8	250	10	5500	60	11K			128A	
7693	+	PND	SIN	T5	RFA	SCO	AM	H	6.3	150	330	15	2.6	250	7	4600		1M			7EN	

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.
									V	MA	W	V	MA	W	E8 V	I8 MA	GM UMHO	RP OHMS	PICOFARADS IN	OUT		
7694	S+	PND	SIN	T5			AM	H	6.3	150	330	17	3.3	250	9	3800		1M			7EN	
7695	S	8EA	SIN	T9	PA		SY	H	50.0	150	150		16.0	130	108	11000		7000	14.0	9.0	9PX	
7701		BEA	SIN	T6	PA	SRC	GE	H	13.6	160	350	45	9.0	250	28	3600		31K	7.0	3.6	9MS	
7716		TRI	PND	T6	DSC	SCO	GE	H	13.6	350	330		1.0	125	2	2900	102	35K	2.4	2.4	9DX	
7716		PND	TRI	T6	VA	SRC	GE	H	13.6	350	330		5.0	200	24	10000		70K	9.5	4.4	9DX	
7717		TET	SIN	T5	VHF	SCO	GE	H	6.3	200	180	20	2.0	125	10	8000		125K	4.5	3.0	7EN	
7719	S	TRI	SIN	T6	DNA	HIP	TS	H	12.6	450	330	46	6.0	300	4	3500	25	7100	6.5	1.0	9MX	
7720		TRI	SIN	CM	OSC		GE	H	6.3	240	250	25	1.0	150	8	10500	90		1.8	0.32		
7721	S	PND	SIN	T6	VA	SCO	#HY	H	6.3	320	400	29	4.0	190	22	35000		120K	10.0	2.0	9EQ	
7722	S	PND	SIN	T6	VA	SCO	#HY	H	6.3	320	400	30	4.0	190	20	26000		100K	9.3	2.1	9EQ	
7724	S	DWD	TRI	T6	DET	VAC	GE	H	14.0	150					18				2.4		9KR	
7724	S	TRI	DWD	T6	VA	SCO	GE	H	14.0	150	330		1.1	250	700U	1000	72	72K	1.6	0.24	9KR	
7727		PND	SIN	T3	EL		RE	F	1.2	8	12											
7728	S+	TRI	TWN	T6	RFA	SRC	#HY	H	12.6	150	330		2.8	250	10	5500	60	11K	2.2	0.5	9A	
7730	S+	TRI	TWN	T6	AFA	RCO	#HY	H	12.6	150	330	20	3.0	250	10	2200	17	7700	1.6	0.40	9A	
7731	S+	TRI	PND	T6	OSC	#HY	#HY	H	6.3	450	330		3.0	150	18	8500	40	5000	2.5	0.4	9AE	
7731	S+	PND	TRI	T6	MIX	SRC	#HY	H	6.3	450	330		3.0	250	10	5200		400K	5.0	2.6	9AE	
7732	S+	PND	SIN	T5	IFA	SRC	#HY	H	6.3	300	330		2.3	250	8	6000		600K	6.5	2.0	7CM	
7733	S+	PND	SIN	T6	VHF	RCO	#HY	H	12.6	300	330		6.5	250	24	12000		90K	10.7	4.0	98F	
7734	S	TRI	PND	T6	REG	HIP	WH	H	6.3	900	275	175	7.0	150	35	5000	5	1080	5.5	1.3	9LC	
7734	S	PND	TRI	T6	VA	WH	WH	H	6.3	900	330		1.0	150	6	3200		340K	8.0	2.4	9LC	
7738		TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	330	40	5.0	200	12	9500	80		3.0	1.8	7DK	
7751	+	PND	SIN	T8	PA	RCO	#HY	H	6.3	1200	550	200	10.0	100	100	14000		5000	17.5	1.3		
7754	S	8EA	SIN	T9	PA		SY	H	6.3	1200	150		16.0	130	108	11000		7000	14.0	9.0	9PX	
7757	+	8EA	SIN	T6	PA	RCO	8E	H	6.3	600	3K	75	14.0	250	45	4100					9NE	
7759	+	TRI	TWN	T3	GEN	SCO	SY	H	26.5	90	165	22	1.1	100	35	5400	35		2.0	0.33	8DG	
7760	S+	TRI	TWN	T3	GEN	SCO	SY	H	26.5	90	55	22			3	5000	20		2.2	0.36	8DG	
7761	+	PND	SIN	T3	VHF	SRC	SY	H	26.5	110	165	40	4.0	150	20	9000		50K	8.0	4.6	8DE	
7762	S+	8EA	SIN	T3	AFA	RCO	SY	H	26.5	110	165	50	4.0	110	30	4200		15K	6.5	4.5	8DE	
7763	+	BEA	SIN	T6	IFA		GE	H	6.3	300	330	12	0.8	100	4	1000			2.2		9NF	
7768	S	TRI	SIN	CM	RFA	SCO	GE	H	6.3	400	330	3	5.5	200	24	50000	225	4500				
7784	S	TRI	SIN	CM	UHF	SCO	GE	H	6.3	300	200	12	2.0	180	10	15000	110					
7788	+	PND	SIN	T6	VHF	SCO	AM	H	6.3	340	250	50	5.0	135	35	50000			3.5	16.0		
7802		TRI	TWN	T12	PA	HIP	TS	H	6.3	2500	250	160	13.0	100	115	20000	8					
7803		TRI	TWN	T6	VA	SCO	SY	H	6.3	365	200	30	3.5	90	15	12500	33		3.3	1.8	9AJ	
7841		DIO	SIN	CM	DET	VAC	GE	H	6.3	215	350	5							1.1	1.2		
7851		TET	SIN	T5	EL	SCO	TS	H	2.5	200	12				11	16U	4000		2.6			
7859		DIO	SIN	T4	REG	GAS	VI	C			65	1			55	700U						

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	V	MA	W	E8 V	I8 MA	GM UMPO	MU	RP DHMS	IN	DUT	
S	7861	TRI	TW	T6	GEN	SRC	GE	H	12.6	175	330	18	1.4	150	8	5500	35	6400	2.2	1.0	8CJ		
	7867	8EA	SIN	T12	PA	RCD	TS	H	6.3	2500	700	220	24.0	250	81	10000		12K	22.0	8.5	58T		
	7868	PND	SIN	T9	PA	HIP	RC	H	6.3	800	550	90	19.0	300	75	10200		29K	11.0	4.4	9NZ		
	7887	TRI	TW	T3	GEN	SRC	SY	H	26.5	90	165	22	1.1	100	8	5000	20		1.9	3.0	8DG		
	7888	+	TRI	SIN	T3	OSC	SRC	SY	H	26.5	45	330	22	3.3	150	13	6500	27		2.2	0.7	80K	
S+	7889	TRI	TW	T3	AVA	SCO	SY	H	26.5	90	330	3	0.6	150	2	2500	70		1.7	2.6	8DG		
	7892	TRI	TW	T6	VA	HIP	TS	H	6.3	900	330		4.2	175	5000			4.0	0.6	9H			
	7894		DIO	SIN	T4	REG	GAS	VI	C		3K	2		85							FL		
	7895	+	TRI	SIN	MT4	GEN	SCO	RC	H	6.3	135	330	15	1.0	110	7	9400	64	6800			9EP	
	7898	+	TRI	TW	T6	GEN	SRC	RC	H	13.5	150	330		2.8	250	10	5500	60	11K	2.5			
	7905		8EA	SIN	T6	PA	SCO	RC	H	6.3	650	300	60	10.0	200	36	6700			8.5	5.5	9P8	
	7962	+	TRI	TW	T3	UHF	SCO	SY	H	6.3	235	100	15	0.8	60	9	9500	20		3.0		8DG	
	7963	+	TRI	TW	T3	UHF	SCO	SY	H	6.3	350	165	22	1.1	100	8	13000	40		3.6		8DG	
	7973	S	8EA	SIN	T6	PA	SRC	TA	H	5.0	230	150		5.0	150	28	4300					9L	
	7980	.	DIO	SIN	T5	REG	GAS	MU	C			130	10		84	6							
	7983		TET	TW	T6	GEN	RCD	AM	H	3.2	1650	300	65	7.0	250	45	3000			6.8	3.2	9PS	
	7994		TRI	SIN	T3	GGA	SCO	RA	H	6.3	250	200	30	2.0	100	13	18000	41	2K	9.5	2.9	FL	
	7995		PND	SIN	T3	RFA	SCO	RA	H	6.3	250	200	30	1.6	150	8	13000		85K	8.5	2.75	FL	
	7996	+	DIO	SIN	CM	REC	GAS	RA	C			3K	300		1K	12							
S	8032	8EA	SIN	T12	PA	RCD	RC	H	13.5	625	400	90	25.0	400	50	7000			13.5	8.5	7CK		
	8042		8EA	SIN	T13	OSC	RCD	AM	H	1.6	3200	650	160	25.0	600	150	7000			13.5	8.5	8LJ	
	8064	+	PND	SIN	T3		SY	H	26.5	45	165	16	1.1	100	7	4500		275K	4.0	1.9	8DE		
	8056	+	TRI	SIN	MT4	GEN	HIP	RC	H	6.3	135	50	15	0.4	24	8	7000	12	1650			12AQ	
	8058	+	TRI	SIN	MT4	GEN	SCO	RC	H	6.3	135	150		1.5	110	10	12400	70	5600	1.3		12CT	
S	8070		TRI	SIN	T3	UHF	SRC	SY	H	6.3	125	165	20	1.0	110	8	11000	58		3.3	2.1	8LD	
	8071	+	TRI	SIN	T3	UHF	SCO	SY	H	6.3	125	330	20	2.0	150	12	12000	65					8LE
	8077		PND	SIN	T6	PA	SRC	RC	H	13.5	275	330		5.0	250	19	11500		100K	10.2	3.5	9GK	
	8089		DIO	SIN	T4	REG	GAS	VI	C			2K	800U		65							FL	
	8090		DIO	SIN	T6	REG	GAS	VI	C			4K	2		100								
+	8091		DIO	SIN	T6	REG	GAS	VI	C			4K	1		50								8FY
	8096	+	TRI	SIN	T3	GEN	SCO	RA	H	6.3	200	150	2	0.5	120	900U	1800	54		1.75	0.60		
	8102		TRI	PNO	T6	GEN	SCO	GE	H	13.5	230	330		2.5	125	14	8500	46	5400	3.6	2.0	9PJ	
	8102		PNO	TRI	T6	GEN	SRC	GE	H	13.5	230	330	20	2.5	125	12	7500		200K	5.5	3.4	9PJ	
	8103	+	TRI	TW	T3	GEN	SCO	SY	H	26.5	85	55	22		26	6	11000	20				8DG	
	8106		8EA	SIN	T6	AFO	SRC	GE	H	13.5	250	330	40	6.0	300	16	9000			10.0	2.8	9PL	
	8108		TRI	SIN	LIT	GEN		AM	H	6.3	735	500	70	10.0	180	60	21000	43					
S	8136		PND	SIN	T5	IFA	SCO	GE	H	6.3	300	330		2.2	125	11	9800			7.0	2.2	7CM	
	8156		8EA	SIN	T9	PA	RCD	GE	H	13.5	300	600	100	15.0	200	75	7600			11.0	5.0	12EU	
	8185	S+	TRI	SIN	T3	GGA	SRC	SY	H	6.3	300	250	50	4.2	200	17	19000	42		8.5	5.0	8KM	
	8186	S+	TRI	SIN	T3	GGA	SRC	SY	H	26.5	75	250	50	4.2	200	17	19000	42		10.0	5.0	8KM	

NUMERICAL LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	K INO	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	I	MA	V	MA	W	EB V	IB MA	GM UMPO	MU	RP OHMS	IN	OUT	
8206		OIO	SIN	T4	REG	GAS	VI	C				12K	300U		500							
8210	+	PND	SIN	T3	VHF	SCO	SY	H	6.3	125	165	16	1.1	100		8	8500		260K	4.8	3.8	8LS
8211	+	PND	SIN	T3	VHF	SRC	SY	H	6.3	360	330	40	4.0	150		17	15500		65K	12.0	8.0	80L
8223	+	TRI	TNN	T6	CA	SRC	SH	H	6.3	475	250	40	3.0	100		30	18000	25	1400	4.7		9AJ
8228	+	OIO	SIN	T2	REF		AM	C			115	4		82		4						
8255		TRI	SIN	T6	GGA	UHF	TE	H	6.3	160	550	12	1.8	150		12	13500	65		3.8	1.7	9NY
8257		DIO	SIN	T4	REG	GAS	VI	C			1K	750U		30	600U							FL
8414	+	PND	SIN	T3	VHF	SCO	SY	H	26.5	45	55	10		26	4	5000		50K				80C
8334	+	TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	330	33	4.4	200	18	10700	55		2.9	0.25		70K
9001		PNO	SIN	T5	QET	SCO		H	6.3	150	250			0.5	250	2	1400		1M	3.6	3.0	78D
9002		TRI	SIN	T5	VHF	RCO		H	6.3	150	250			1.6	250	6	2200		11K	1.2	1.1	78S
9003		PNO	SIN	T5	RFA	RCO		H	6.3	150	250			1.7	250	7	1800	25	700K	3.4	3.0	78D
9004	S	DIO	SIN	ACO	UHF	VAC		H	6.3	150	117	5										48J
9005		OIO	SIN	ACO	UHF	VAC		H	3.6	165	117	1										58G
9006		OIO	SIN	T5	UHF	VAC	GE	H	6.3	150	750	15		270	5							68H

5. Characteristic Listing of Data on Receiving Tubes

TUBE TYPE NUMBER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.
									V	MA	V	MA	W	V	MA	GM UMHO	MU	RP OHMS	PICO IN	FARADS OUT		
REGULATOR SINGLE DIODE COLD CATHODE																						
8257		D10	SIN	T4	REG	GAS	VI	C			1K	750U		30	600U							FL
8091		D10	SIN	T6	REG	GAS	VI	C			4K	1		50								
7859		D10	SIN	T4	REG	GAS	VI	C			65	1		55	700U							
8089		D10	SIN	T4	REG	GAS	VI	C			2K	800U		65								
OC2		D10	SIN	T5	REG	GAS	RC	C			115	30		75	18							
DA3A	S	D10	SIN	T9	REG	GAS	RA	C			105	40		75	22							
7980		D10	SIN	T5	REG	GAS	MU	C			130	10		84	6							
7894		D10	SIN	T4	REG	GAS	VI	C			3K	2		85								FL
OG3		D10	SIN	T5	REG	GAS	TS	C			115	10		87	6							
DB3A		D10	SIN	T9	REG	GAS	RA	C			130	30		90	18							4AJ
5644	*	D10	SIN	T3	REG	GAS	SY	C			130	25		95	15							
CK1061	+	D10	SIN	T3	REG	GAS	RA	C			155	25		98	15							4CN
8090		D10	SIN	T6	REG	GAS	VI	C			4K	2		100								FL
5787W8	*	D10	SIN	T3	REG	GAS	RA	C			105	25		100	15							FL
DC3A	S	D10	SIN	T9	REG	GAS	RA	C			133	40		105	22							4AJ
082WA	S*	D10	SIN	T5	REG	GAS	RA	C			133	30		108	18							580
6074	S+	D10	SIN	T5	REG	GAS	RC	C			133	30		108	18							580
6627	S+	D10	SIN	T5	REG	GAS	#HY	C			170	30		108	18							580
6354		D10	SIN	T5	REG	GAS	RE	C			180	180	1.5	150	16.5							70U
6142		D10	SIN	T2	REG	GAS	8E	C			300	400U		150	238U							FL
6542	+	D10	SIN	T3	REG	GAS	RA	C			168	25		150	15							FL
6626	S+	D10	SIN	T5	REG	GAS	#HY	C			165	30		150	18							580
OD3A	S	D10	SIN	T9	REG	GAS	RA	C			185	40		150	22							4AJ
0A2WA	S*	D10	SIN	T5	REG	GAS	RC	C			185	30		151	18							580
6073	S+	D10	SIN	T5	REG	GAS	RC	C			185	30		151	18							580
7099		D10	SIN	T2	REG	GAS	CH	C			225	300U		180								FL
8206		D10	SIN	T4	REG	GAS	VI	C			12K	300U		500								
5962		D10	SIN	T5	REG	GAS	RA	C			2K	55U		700	25U							7EX
6437	S	D10	SIN	T3	REG	GAS	RA	C			2K	125U		700	25U							FL
5950		D10	SIN	T3	REG	GAS	VI	C			730	50U		700	26U							FL
CK1038		D10	SIN	T3	REG	GAS	RA	C			915	55U		900	25U							FL
5841	S	D10	SIN	T3	REG	GAS	VI	C			930	50U		900	26U							FL
6438		D10	SIN	T3	REG	GAS	RA	C			2K	125U		1K	25U							FL
6143		D10	SIN	T3	REG	GAS	VI	C			1K	100U		1K	51U							FL
6119		D10	SIN	T3	REG	GAS	VI	C			2K	100U		2K	51U							FL

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAR.	REG.	K TYPE	TYPICAL FILAMENT CHARACTERISTICS		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.									
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT										
REGULATOR SINGLE DIODE FILAMENTARY																														
5947		DIO	SIN	T9	REG	VAC	8E	F	4.5	1750	250	45	7.0	90	2															
REFERENCE SINGLE DIODE COLD CATHODE																														
8228	+	OIO	SIN	T2	REF		AM	C			115	4		82	4								5B0							
5651WA		OIO	SIN	T5	REF	GAS	RC	C			115	4		85	2								FL							
5783WB	*	OIO	SIN	T3	REF	GAS	RA	C			91	4		86	2								8EX							
6308	+	OIO	SIN	T3	REF	GAS	SY	C				4		86	2								FL							
6213		OIO	SIN	T3	REF	GAS	RA	C			200	2		130	2															
RECTIFIER SINGLE DIODE COLD CATHODE																														
6436	S	OIO	SIN	T3	REC	GAS	RA	C			2K	10		1K	100U								FL							
6659	S	OIO	SIN	T3	REC	GAS	RA	C			3K	40		1K	8								FL							
CK1047		OIO	SIN	T5	REC	GAS	RA	C			3K	100		1K	12															
6763	+	OIO	SIN	T5	REC	GAS	RA	C			3K	100		1K	12															
7996	+	OIO	SIN	CM	REC	GAS	RA	C			3K	300		1K	12															
RECTIFIER SINGLE DIODE FILAMENTARY																														
7435		OIO	SIN	T2	OET	VAC	MU	F	6.3	150	460	60		5	200U								50C							
5799		OIO	SIN	T3	REC	VAC	RA	F	1.2	10	3K	600U		2K	80U								FL							
5785		OIO	SIN	T3x2	REC	VAC	RA	F	1.2	15	4K	520U		25	500U								9U							
1V2		OIO	SIN	T6	REC	VAC	RC	F	0.6	300	8K	10		8K	150U								2B							
5642		OIO	SIN	T3	REC	VAC	SY	F	1.2	200	10K	5											0.6							
3828	S*	OIO	SIN	T16	REC	GAS	CH	F	2.5	5000	10K	1000		3K	250								4P							
4832	S*	OIO	SIN	T18	REC	GAS	CH	F	5.0	7250	10K	5000		3K	1250								4AT							
122		OIO	SIN	T5	REC	VAC	#NU	F	1.2	265	15K	8		18	2								7CB							
1X2A		OIO	SIN	T6	REC	VAC	#HY	F	1.2	200	20K	11		14K	175U								9Y							
3824WA		OIO	SIN	T12	REC	VAC	WE	F	5.0	3000	20K	300		200	140								3K							

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT	
RECTIFIER SINGLE 0100E FILAMENTARY -CONTINUEO-																					
2V2		010	SIN	T11	REC	VAC	GE	F	2.5	200	21K	80		20	1						BFV
1X2B		010	SIN	T6	REC	VAC	SY	F	1.2	200	22K	45		18K	100U				1.0		9Y
1AX2A		010	SIN	T6	REC	VAC	#HY	F	1.4	650	25K	11		20K	300U						9Y
1K3	S	010	SIN	T9	REC	VAC	GE	F	1.2	200	26K	50		50	500U				1.6		3C
1AJ2		010	SIN	T9	REC	VAC	TS	F	1.2	200	26K	50		140	7				1.8		12EL
2B3		010	SIN	T9	REC	VAC	GE	F	1.8	250	27K	50		12	500U				1.3		BHC
1N2A	S	010	SIN	T12	REC	VAC	SY	F	1.2	200	28K	50		225	500U				1.4		3C
1J3A	S	010	SIN	T9	REC	VAC	GE	F	1.2	200	28K	50		35	7						3C
1B3GT	S*	010	SIN	T9	REC	VAC	RC	F	1.2	200	30K	17		225	2						3C
1AU3		010	SIN	T12	REC	VAC	SY	F	1.2	200	30K	50		225	7						7C
1G3GT	S	010	SIN	T9	REC	VAC	RC	F	1.2	200	33K	30		25	1						3C
3C2		010	SIN	T12	REC	VAC	GE	F	3.2	210	33K	80		30	1				1.4		BFV
1Y2		010	SIN	ST12	REC	VAC	WH	F	1.3	280	38K	5									4P
RECTIFIER SINGLE 0100E HEATER TYPE																					
1R4		010	SIN	T9	REC	VAC	SY	H	1.4	150	117	1									4AH
9005		010	SIN	ACO	UHF	VAC		H	3.6	165	117	1									5BG
9004		010	SIN	ACO	UHF	VAC		H	6.3	150	117	5									4BJ
16AQ3		010	SIN	T6	REC	VAC	RE	H	16.4	600	250	250	5.0						2.0		9CB
1A3		010	SIN	T5	REC	VAC	RC	H	1.4	150	330	5		117	500U						5AP
250K4		010	SIN	T5	REC	VAC	GE	H	25.0	150	330	100		117	90						5BQ
117Z3		010	SIN	T5	REC	VAC	TS	H	117.0	40	330	540		117	90						4CB
500C4		010	SIN	T5	REC	VAC	GE	H	50.0	150	330	720		117	110						5BQ
7841		010	SIN	CM	OET	VAC	GE	H	6.3	215	350	5						1.1	1.2		
35W4A	S	010	SIN	T5	REC	VAC	SY	H	35.0	150	360	660		117	100						5BQ
36AM38	S	010	SIN	T5	REC	VAC	RC	H	36.0	100	365	580		120	75						5BQ
5647		010	SIN	T2	OET	VAC	SY	H	6.3	150	460	60		150	9						FL
5704WA	+	010	SIN	T2	DET	VAC	RA	H	6.3	150	460	60		165	9				2.2		FL
6AL3		010	SIN	T6	OET	VAC	RE	H	6.3	1550	550	550	5.0	250	220				8.6		9CB
30AE3		010	SIN	T6	REC	VAC	RE	H	30.0	300	550	550	5.0	250	220			8.6	2.0		
35Y4		010	SIN	T9	REC	VAC	SY	H	35.0	150	700	600		235	100						5AL
35Z3		010	SIN	T9	REC	VAC	#PL	H	35.0	150	700	600		235	100						42
35Z5GT		010	SIN	T9	REC	VAC	#NU	H	35.0	150	700	600		235	100						6AD
9006		010	SIN	T5	UHF	VAC	GE	H	6.3	150	750	15		270	5						6BH
7436	S	010	SIN	T3	REC	VAC	MU	H	6.3	400	930	300									6CJ

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KINO	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS		
RECTIFIER SINGLE DIODE HEATER TYPE -CONTINUEO-																				
5641	S*	010	SIN	T3	REC	HIP	SY	H	6.3	450	930	300	235	45				6CJ		
7313	+	010	SIN	CM	REC	VAC	8E	H	6.3	1550	3K	1000								
3A2		010	SIN	T6	REC	VAC	RC	H	3.2	220	18K	80	25	2			1.0	90T		
2L2		010	SIN	T6	REC	VAC	TA	H	2.0	200	19K						FL			
1S2A		010	SIN	T6	REC	VAC	RE	H	1.4	550	22K	40					1.8	90T		
1A02		010	SIN	T9	REC	VAC	GE	H	1.2	200	22K	50	225	7			1.6	120Q		
1H2		010	SIN	T6	REC	VAC	GE	H	1.4	550	24K	50	10	500U			1.0	9LX		
2AH2		010	SIN	T9	REC	VAC	GE	H	2.5	300	24K	80	100	7			1.4	120G		
2AS2		010	SIN	T9	REC	VAC	GE	H	2.5	330	24K	80	100	7			1.4	12EW		
3A3	S	010	SIN	T9	REC	VAC	RC	H	3.2	220	30K	80	35	2			1.5	8E2		
3AT2		010	SIN	T9	REC	VAC	RA	H	3.2	220	30K	88		2			1.5	8E2		
3AW3	S	010	SIN	T9	REC	VAC	RA	H	3.2	220	30K	88	30	2			1.8	8GH		
3B2	S	010	SIN	T12	REC	VAC	RC	H	3.2	220	35K	80		1						
DIODE SINGLE DIODE																				
17H3		010	SIN	T6	OA	VAC	GE	H	17.5	300	2K	450	13	75			4.0	9FK		
68J3		010	SIN	T9	DA	VAC	GE	H	6.3	1200	3K	840	21	250			5.5	128L		
6AX4GT	S*	010	SIN	T9	OA	VAC	TS	H	6.3	1200	4K	750	4.8	21			5.0	4CG		
25AX4GT	S	010	SIN	T9	OA	VAC	RA	H	25.0	300	4K	750	4.8	21			5.0	4CG		
25W4G1	S	010	SIN	T9	OA	VAC	GE	H	25.0	300	4K	750	3.5	13			6.0	4CG		
6W4GTA	S*	010	SIN	T9	OA	VAC	GE	H	6.3	1200	4K	840	13	140			6.0	4CG		
12B3		010	SIN	T6	OA	VAC	WH	H	12.6	600	4K	750	22	150			5.3	980		
6AU4GTA	S	010	SIN	T9	OA	HIP	TS	H	6.3	1800	4K	1000	6.0	15			8.5	4CG		
19AU4GTA		010	SIN	T9	OA	HIP	TS	H	18.9	600	4K	1050	6.0	15			8.5	4CG		
6AF3		010	SIN	T6	OA	VAC	TS	H	6.3	1200	4K	750	20	185			6.0	9CB		
12AF3		010	SIN	T6	OA	VAC	TS	H	12.6	600	4K	750	20	185			6.0	9CB		
68L4		010	SIN	T12	OA	VAC	RC	H	6.3	3000	4K	1200	8.0	12			11.5	8GB		
17AX4GTA		010	SIN	T9	OA	VAC	SY	H	16.8	450	4K	600	32	250		8.5	5.0	4CG		
60W4		010	SIN	T9	DA	VAC	RC	H	6.3	1200	4K	1300	8.5	25			6.5	9HP		
6HE3	S	010	SIN	T9	OA	VAC	GE	H	6.3	1200	5K	1200	6.5	350			8.0	128L		
60M4A	S	010	SIN	T9	OA	VAC	WH	H	6.3	1200	5K	1200	6.5	200			8.5	4CG		
128E3	S	010	SIN	T9	OA	VAC	GE	H	12.6	600	5K	1200	6.5				8.0	128L		
120M4A		010	SIN	T9	OA	VAC	WH	H	12.6	600	5K	1200	6.5	200			8.5	4CG		
178E3	S	010	SIN	T9	OA	VAC	GE	H	16.8	450	5K	1200	6.5				8.0	128L		
170M4A		010	SIN	T9	OA	VAC	WH	H	16.8	450	5K	1200	6.5	200			8.5	4CG		

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KING TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.	
								V	MA	V	MA	W	EB V	IB MA	GM UH-O	MU	RP OHMS	IN	OUT			
DAMPER SINGLE DIODE -CONTINUE0-																						
68S3		010	SIN	T9	DA	VAC	RC	H	6.3	1200	5K 1100	6.0	12	140						6.5		9HP
128S3		010	SIN	T9	DA	VAC	RC	H	12.6	600	5K 1100	6.0	12	140						6.5		9HP
178S3		010	SIN	T9	DA	VAC	RC	H	16.8	450	5K 1100	6.0	12	140						6.5		9HP
6AX3	S	010	SIN	T9	DA	VAC	GE	H	6.3	1200	5K 1000	5.3		165					7.5		128L	
12AX3	S	010	SIN	T9	DA	VAC	GE	H	12.6	600	5K 1000	5.3		165					7.5		128L	
12AX4GTB	S	010	SIN	T9	DA	VAC	GE	H	12.6	600	5K 1000	4.8	21	165					5.0		4CG	
17AX3	S	010	SIN	T9	OA	VAC	GE	H	16.8	150	5K 1000	5.3		165				7.5		5.5	128L	
6AY3A	S	010	SIN	T9	DA	VAC	SY	H	6.3	1200	5K 1100	6.5		175					6.5		9HP	
60E4	S	010	SIN	T9	DA	VAC	RC	H	6.3	1600	5K 1100	6.5		175					175		4CG	
12AY3	S	010	SIN	T9	OA	VAC	RC	H	12.6	600	5K 1100	6.5	900	175							9HP	
170E4	S	010	SIN	T9	DA	VAC	RC	H	17.0	600	5K 1100	6.5		175							4CG	
220E4	S	010	SIN	T9	OA	VAC	SY	H	22.4	450	5K 1100	6.5		175							4CG	
60A4A	S	010	SIN	T9	DA	VAC	SY	H	6.3	1200	5K 900	8.0	30	185					9.0	7.0	4CG	
1204A	S	010	SIN	T9	OA	VAC	TS	H	12.6	600	5K 900	8.0		185					9.0	7.0	4CG	
1704A	S	010	SIN	T9	DA	VAC	TS	H	16.8	450	5K 9005	8.0		185					9.0	7.0	4CG	
68A3	S	010	SIN	T9	DA	VAC	RC	H	6.3	1200	5K 1000	5.3	32	250					4.4		9HP	
60W4	S	010	SIN	T9	DA	VAC	RC	H	6.3	1200	5K 1300	8.5	25	350					6.5		9HP	
68H3	S	010	SIN	T9	OA	VAC	RC	H	6.3	1600	6K 1100	6.5							6.5		9HP	
6CQ4	S	010	SIN	T9	DA	VAC	WH	H	6.3	1600	6K 1200	6.5							8.5	11.5	4CG	
60T4	S	010	SIN	T9	DA	VAC	RA	H	6.3	1200	6K 1450	7.5							7.5	10.0	4CG	
178H3	S	010	SIN	T9	OA	VAC	RC	H	17.0	600	6K 1100	6.5							6.5		9HP	
228H3	S	010	SIN	T9	DA	VAC	RC	H	22.4	450	6K 1100	6.5							6.5		9HP	
6V3A	S	010	SIN	T6	DA	VAC	PL	H	6.3	1750	6K 800	2.7	13	135							98D	
60Q4	S	010	SIN	T9	DA	VAC	RA	H	6.3	1200	6K 1000	6.0		175					5.0		4CG	
120Q4	S	010	SIN	T9	DA	VAC	RA	H	12.6	600	6K 1000	6.0		175					5.0		4CG	
170Q4	S	010	SIN	T9	OA	VAC	RA	H	16.8	450	6K 1000	6.0		175					5.0		4CG	
68R3	S	010	SIN	T6	OA	VAC	TO	H	6.3	1200	6K 1200	6.5	19	250					8.5		9CB	
128R3	S	010	SIN	T6	DA	VAC	TO	H	12.6	600	6K 1200	6.5	19	250					8.5		9CB	
178R3	S	010	SIN	T6	DA	VAC	TO	H	16.8	450	6K 1200	6.5	19	250					8.5		9CB	
258R3	S	010	SIN	T6	OA	VAC	TO	H	25.0	300	6K 1200	6.5	19	250					8.5		9CB	
6M3	S	010	SIN	T12	OA	VAC	PL	H	6.3	3000	6K 1000	8.0		320							BGV	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	DULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE PICO FARADS		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	RP OHMS	IN	OUT	
DIODE TWIN COLO CATHODE																				
OZ4G	S	DIO	TWN	T7	REC	GAS	RA	C			1K	200	300	75					4R	
DIODE TWIN FILAMENTARY																				
CK1005		DIO	TWN	MT8	REC	GAS	RA	F	6.3	50	450	210	225	35					5AQ	
5R4WGB	S+	OIO	TWN	T16	REC	VAC	TS	F	5.0	2000	950	165	900	165					5T	
CK1007		OIO	TWN	MTB	REC	GAS	RA	F	1.0	1200	980	330	330	110					8DX	
5A24	S	OIO	TWN	T9	REC	VAC	SY	F	5.0	2000	1K	375	500	125					5T	
5Y3GT	S	OIO	TWN	T9	REC	VAC	RC	F	5.0	2000	1K	400	400	125					5T	
5Y4GA	S	OIO	TWN	T12	REC	VAC	SY	F	5.0	2000	1K	400	350	125					5Q	
5Z3	S	OIO	TWN	ST16	REC	VAC	RC	F	5.0	3000	1K	675	450	225					4C	
5AU4	S	OIO	TWN	T12	REC	VAC	GE	F	5.0	3750	1K	1075	400	325					5T	
30G4		OIO	TWN	T12	REC	VAC	GE	F	3.3	3800	1K	1200	275	350					5DE	
50N4	S	OIO	TWN	T12	REC	VAC	RA	F	5.0	3300	1K	1300	425	350					8KS	
58C3		OIO	TWN	T12	REC	VAC	RC	F	5.0	3000	2K	1000	1K						9NT	
CK1006		OIO	TWN	ST14	REC	GAS	RA	F	1.8	2000	2K	600	800	200					4C	
5T4	S	OIO	TWN	T10	REC	VAC	RC	F	5.0	2000	2K	675	550	225					5T	
5X4G	S	OIO	TWN	ST16	REC	VAC	SY	F	5.0	3000	2K	675	550	225					5Q	
5931	S+	OIO	TWN	T12	REC	VAC	SY	F	5.0	3000	2K	2500	450	225					5T	
5U4GB	S	OIO	TWN	T11	REC	VAC	GE	F	5.0	3000	2K	900	450	250					5T	
5AS4A	S	OIO	TWN	ST16	REC	VAC	RC	F	5.0	3000	2K	1000	450	275					5T	
50J4	S	OIO	TWN	T12	REC		SY	F	5.0	3000	2K	1000	550	275					8KS	
5V3A	S	OIO	TWN	T12	REC	VAC	TS	F	5.0	3000	2K	1400	425	350					5T	
DIODE TWIN HEATER TYPE																				
2EN5		OIO	TWN	T5	DET	VAC	#PL	H	2.1	450		5							7FL	
6663	S	OIO	TWN	T5	DET	HIP	GE	H	6.3	300	275	60	3	10			3.7	2.5	68T	
6919		OIO	TWN	T5	GA	HIP	GE	H	6.3	200	300	30	2	10				2.2	68T	
3AL5		OIO	TWN	T5	DET	HIP	GE	H	3.2	600	330	54	117	9				2.5	68T	
6AL5	S	OIO	TWN	T5	DET	HIP	RC	H	6.3	300	330	54	117	9				2.5	68T	

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS IN OUT		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS			
DIODE TWIN HEATER TYPE -CONTINUED-																					
12AL5	S	OIO	TW T5	T5	OET	HIP	#HY	H	12.6	150	330	54		117	9					2.5	68T
7055	S	OIO	TW T5	T5	OET	HIP	RC	H	13.5	155	350	60		117	9						68T
7631	+	OIO	TW T5	T5	VAC	VAC	ST	H	6.3	300	360	10		10							58T
5829WA		OIO	TW T3X2		REC	VAC	RA	H	6.3	150	360	28		117	5					2.7	FL
5726	S*	OIO	TW T5	T5	REC	VAC	RA	H	6.3	300	360	60		117	9					3.2	68T
68B7		OIO	TW T5	T5	ONA	HIP	RC	H	6.3	200	360	30		2	10					2.2	68T
6A25		OIO	TW T3	T3	GEN	VAC	SY	H	6.3	150	420	24		150	4			1.6		80F	
6H6GT		OIO	TW T9	T9	REC	VAC	#HY	H	6.3	300	420	48		117	8					7Q	
7A6	S	OIO	TW T9	T9	REC	VAC	#PL	H	6.3	150	420	48		150	8					7AJ	
12H6GT		OIO	TW T9	T9	REC	VAC	RC	H	12.6	150	420	48		117	8					7Q	
6110	S+	OIO	TW T3	T3	OET	VAC	SY	H	6.3	150	460	26		15	4			1.5		80J	
5896	S	OIO	TW T3	T3	OET	VAC	SY	H	6.3	300	460	60		150	9				2.4	80J	
5903	S	OIO	TW T3	T3	OET	HIP	SY	H	26.5	75	460	60		165	9				3.0	80J	
11726GT		OIO	TW T9	T9	REC	VAC	#HY	H	117.0	75	700	360		117	60					7Q	
25Z6GT	S	OIO	TW T9	T9	REC	VAC	#HY	H	25.0	300	700	450		117	75					7Q	
50X6	S	OIO	TW T9	T9	REC	VAC	SY	H	50.0	150	700	450		117	75					7AJ	
50Y6GT	S	OIO	TW T9	T9	REC	VAC	#HY	H	50.0	150	700	450		117	75					7Q	
5CU4		OIO	TW T12		REC	HIP	RA	H	5.0	3300	800	425		260	385					8K0	
5838	S	OIO	TW T9	T9	REC	VAC	8E	H	12.6	600	1K	230		400	50					6S	
5839	S	OIO	TW T9	T9	REC	VAC	8E	H	26.5	255	1K	230		400	50					6S	
5852	S	OIO	TW T9	T9	REC	VAC	8E	H	6.3	1200	1K	230		400	50					6S	
6202	S+	OIO	TW T5	T5	REC	VAC	GE	H	6.3	600	1K	200		325	50					58S	
6X4WA	S	OIO	TW T5	T5	REC	VAC	TS	H	6.3	600	1K	230		325	58S					58S	
6X5GT	S+	OIO	TW T9	T9	REC	VAC	#HY	H	6.3	600	1K	210		325	70					6S	
7Y4	S	OIO	TW T9	T9	REC	VAC	#PL	H	6.3	500	1K	210		325	70					5AB	
12X4		OIO	TW T5	T5	REC	VAC	TS	H	12.6	300	1K	230		325	70					58S	
5993	S	OIO	TW T6	T6	REC	VAC	BE	H	6.3	800	1K	230		325	70					9AZ	
6203	S*	OIO	TW T6	T6	REC	VAC	GE	H	6.3	900	1K	270		325	70					9CD	
68W4	S	OIO	TW T6	T6	REC	VAC	SY	H	6.3	900	1K	350		325	100					90J	
7Z4	S	OIO	TW T9	T9	REC	VAC	SY	H	6.3	900	1K	300		325	100					5A8	
128W4		OIO	TW T6	T6	REC	VAC	SY	H	12.6	450	1K	350		325	100					90J	
26Z5W	+	OIO	TW T6	T6	REC	VAC	TS	H	26.5	200	1K	300		325	100					98S	
5690	S+	OIO	TW T12		REC	VAC	RC	H	12.6	1200	1K	375		700	110					6S	
5Z4	S	OIO	TW MTB		REC	VAC	RC	H	5.0	2000	1K	375		350	125					5L	
6AX5GT	S	OIO	TW T9	T9	REC	VAC	RC	H	6.3	1200	1K	375		350	125					6S	
6087	S+	OIO	TW T9	T9	REC	VAC	GE	H	5.0	2000	1K	375		350	125					5L	
6CA4		OIO	TW T6	T6	REC	VAC	RE	H	6.3	1000	1K	500		350	150					9M	
5V4G	S	OIO	TW ST14		REC	VAC	SY	H	5.0	2000	1K	525		375	175					5L	
5AR4		OIO	TW T9	T9	REC	VAC	GE	H	5.0	1900	2K	825								50A	
5AR4		OIO	TW T9	T9	REC	VAC	GE	H	5.0	1700	2K	415		350	125					5L	
6106	S	OIO	TW T9	T9	REC	VAC	8E	H	5.0	1700	2K	415		350	125					5L	

CHARACTERISTIC LISTING - CCNTINUED

TUBE TYPE NUMBER	CODE	KINO	TYPE	BULB	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS IN OUT	EIA BASE NO.
									V	MA	V	MA	W	EB V	ID MA	GM UMHO	RP OHMS			
DIODE TWIN HEATER TYPE -CONTINUED-																				
5AZ3	S	DIO	T6N	T12	REC	VAC	#HY	H	5.0	3000	2K	1000	450	275					128R	
5AT4A		OIO	T6N	ST16	REC	VAC	CH	H	5.0	4250	2K	2000	550	800				5L		
68Y5GA		DIO	T6N	T12	OA	VAC	SY	H	6.3	1600	3K	525		175				6CN		
DIODE MULTIPLE																				
68J7	S	TRD	T6	T6	OET	VAC	GE	H	6.3	450	330	10	2	1			3.0	9AX		
68C7	S	TRD	T6	T6	OET	HIP	#PL	H	6.3	450	330	54		12			3.5	9AX		
68Q7		TRD	T6	T6	OET	VAC	RA	H	6.3	450	330	54		54				9AX		
196Q7		TRD	T6	T6	OET	VAC	RA	H	18.9	150	330	54		117	54			9AX		
6JU8		DID	QUA	T6	GEN	VAC	RC	H	6.3	600	300	54		9				9PQ		
68F8		DIO	SXT	T6	DET	VAC	GE	H	6.3	450	165	11		5			4.4	9NX		
DIODE WITH TRIDOE																				
1H5GT		DIO	TRI	T9	DET	VAC	#HY	F	1.4	50								5Z		
26C6	S	DWD	TRI	T5	DET	VAC	RC	H	26.5	70								78T		
6AQ6	S	DWD	TRI	T5	OET	VAC	RC	H	6.3	150		1						78T		
12FK6	S	DWD	TRI	T5	DET	VAC	RC	H	12.6	150		1						78T		
12FM6	S	DWD	TRI	T5	DET	VAC	RA	H	12.6	150		1						7DT		
18GE6A		DWD	TRI	T5	DET	VAC	SY	H	18.0	100		1						78T		
6FM8		DWD	TRI	T6	OET	VAC	GE	H	6.3	450		5						9KR		
3AV6		DWD	TRI	T5	OET	VAC	SY	H	3.2	600						1		78T		
4AV6		DWD	TRI	T5	DET	VAC	RC	H	4.2	450						1		78T		
6AT6	S	DWD	TRI	T5	DET	VAC	RC	H	6.3	300						1		78T		
6AV6	S	DWD	TRI	T5	OET	VAC	#NU	H	6.3	300						1		78T		
68F6	S	DWD	TRI	T5	DET	VAC	RC	H	6.3	300						1		78T		
6SQ7GT		DWD	TRI	T9	DET	VAC	#HY	H	6.3	300						1		8Q		
12AE6A	S	DWD	TRI	T5	DET	VAC	TS	H	12.6	150						1		78T		
12AJ6	S	DWD	TRI	T5	DET	VAC	TS	H	12.6	150						1		78T		

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR.	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE		EIA BASE NO.
									V	MA	V	MA	W	E8 V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	
DIODE WITH TRIODE -CONTINUED-																				
12AT6A	S	DWD	TRI	T5	DET	VAC	SY	H	12.6	150						1				78T
12AV6A	S	DWD	TRI	T5	DET	VAC	SY	H	12.6	150						1				78T
128F6	S	DWD	TRI	T5	DET	VAC	TS	H	12.6	150						1				78T
12DV7	S	DWD	TRI	T6	DET	VAC	SY	H	12.6	150						1				9JY
12EL6	S	DWD	TRI	T5	DET	VAC	SY	H	12.6	150						1				7F8
12SQ7GT	S	DWD	TRI	T9	DET	VAC	#HY	H	12.6	150						1				8Q
7K7		DWD	TRI	T9	DET	VAC	RA	H	6.3	300						2				88F
18FY6A	S	DWD	TRI	T5	DET	VAC	SY	H	18.0	100						2				78T
6CN7	S	DWD	TRI	T6	DET	VAC	GE	H	6.3	300						5			3.6	9EN
8CN7		DWD	TRI	T6	DET	VAC	GE	H	8.4	225						5			3.6	9EN
14GT8A	S	DWD	TRI	T6	DET	VAC	SY	H	14.0	150						5				9KR
7724	S	DWD	TRI	T6	DET	VAC	GE	H	14.0	150						18		2.4		9KR
14JG8	S	DWD	TRI	T6	DET	VAC	GE	H	14.0	150						5				9KR
6AY11		DWD	TTR	T9	DET	VAC	GE	H	6.3	690			5							12DA
6810		DWD	TTR	T9	DET	VAC	GE	H	6.3	600			5							128F
881D		DWD	TTR	T9	DET	VAC	GE	H	8.5	450			5							128F
6AG11		DWD	TTR	T9	HF	VAC	GE	H	6.3	750			18						2.2	12DA
3DAG11		DWD	TTR	T9	HF	VAC	GE	H	30.0	150			18						2.2	12DA
68J8		DWD	TRI	T6	REC	VAC	SY	H	6.3	600			54		3	9			1.9	9ER
68N8		DWD	TRI	T6	DET	VAC	SY	H	6.3	600			54		3	9				9ER
88N8		Dwd	TRI	T6	DET	VAC	SY	H	8.4	450			54		3	9			1.9	9ER
98R7		DWD	TRI	T6	DET	HIP	#PL	H	9.4	300			60		5	17		1.8		9CF
128R7A		DWD	TRI	T6	DET	HIP	#PL	H	12.6	225			60		5	17		1.8		9CF
DIODE WITH TETRODE																				
6KM8		D10	TET	T6	HF	VAC	RC	H	6.3	300						1				9QG
6FA7		D10	TET	T6		VAC	RC	H	6.3	300						10	1			9MR
12EM6		D10	TET	T6	DET	VAC	RA	H	12.6	500						10	1			9HV
12DU7		DWD	TET	T6	DET	VAC	SY	H	12.6	275						1				9JX
12J8		DWD	TET	T6	DET	VAC	SY	H	12.6	325						5				9GC
12DL8	S	DWD	TET	T6	DET	VAC	TS	H	12.6	550			5			3		1.6		9HR
12DV8		DWD	TET	T6	DET	VAC	GE	H	12.6	375			5			3		1.7		9HR
12DS7A	S	DWD	TET	T6	DET	VAC	RC	H	12.6	400			5		10	3				9JU

CHARACTERISTIC LISTING - CCNTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.		
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	OUT			
DIODE TRIODE WITH TRIODE																							
5T8		TRD	TRI	T6	DET	HIP	GE	H	4.7	600							5						9E
6T8A	S	TRD	TRI	T6	DET	HIP	GE	H	6.3	450							5						9E
19T8A	S	TRD	TRI	T6	DET	HIP	SY	H	18.9	150							5						9E
19C8		TRD	TRI	T6	DET	HIP	*PL	H	18.9	150							6						9E
6V8	S	TRD	TRI	T6	DET	HIP	*PL	H	6.3	450							10						9AH
DIODE WITH PENTODE																							
1DN5	S	DIO	PND	T5	DET	VAC	TS	F	1.4	50							250U						68W
1S5	S	DIO	PND	T5	DET	VAC	RC	F	1.4	50							250U						68W
1U5WA	S	DIO	PND	T5	DET	VAC	*NU	F	1.4	50							250U						68W
6GN6		DIO	PND	T5	DET	VAC	RV	H	6.3	300							1						7FW
6KL8		DIO	PND	T6	DET	VAC	RC	H	6.3	300							1						9LQ
12EQ7		DIO	PND	T6	DET	VAC	RC	H	12.6	150						10							9LQ
12GN6		DIO	PND	T5	DET	VAC	RV	H	12.6	150							1						7FW
12KL8		DIO	PND	T6	DET	VAC	RC	H	12.6	150							1						9LQ
20EQ7		DIO	PND	T6	DET	VAC	RC	H	20.0	100						10							9LQ
6SF7		DIO	PND	MT8	DET	VAC	RC	H	6.3	300							1						7AZ
12SF7		DIO	PND	MT8	DET	VAC	RC	H	12.6	150							1						7AZ
6CR6		DIO	PND	T5	DET	VAC	TS	H	6.3	300							2						7EA
6EQ7		DIO	PND	T6	DET	VAC	RC	H	6.3	30						10							9LQ
6ET7		DIO	PND	T6	DET	VAC	SY	H	6.3	900							2						9LT
12CR6		DIO	PND	T5	DET	VAC	TS	H	12.6	150							2						7EA
5AM8		DIO	PND	T6	DET	HIP	SY	H	4.7	600							5						9CY
6AM8A		DIO	PND	T6	DET	HIP	SY	H	6.3	450							5						9CY
12DE8		DIO	PND	T6	DET	VAC	TS	H	12.6	200							5						9HG
6HJ8		DIO	PND	T6	DET	VAC	*PL	H	6.3	450						10							9CY
5AS8		DIO	PND	T6	DET	HIP	RC	H	4.7	600							5						9DS
6AS8		DIO	PND	T6	DET	HIP	RC	H	6.3	450							5						9DS
70L7GT		DIO	PND	T9	REC	VAC	RC	H	70.0	150						117							8AA
117L7GT	S	DIO	PND	T9	REC	VAC	TS	H	117.0	90						117							8AO
6BY8		DIO	PND	T6	DET	HIP	*PL	H	6.3	600							75						9FN
6JF8		DIO	PND	T12	DA	VAC	RA	H	6.3	2400					5.0		45						
6GA7		DIO	PND	T12	DA	VAC	RA	H	6.3	2260							6K						12EB
24GA7		DIO	PND	T12	DA	VAC	RA	H	24.0	600							6K						12EB
32GA7		DIO	PND	T12	DA	VAC	RA	H	32.0	450							6K						12EB
6DR8		DWD	PND	T6	DET	VAC	RE	H	6.3	300							5						9HE
12C8		DWD	PND	MT8	DET	VAC	RC	H	12.6	150													8E

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	K INC	TYPE	BUL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS					TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT			
DIDDE WITH PENTODE -CONTINUED-																							
5BT8		DWD	PND	T6	DET	VAC	WH	H	4.7	600					1						1.3	9FE	
12FB		DWD	PND	T6	DET	VAC	TS	H	12.6	150					1							9FH	
14R7		DWD	PND	T9	DET	VAC	SY	H	12.6	150					1							BAE	
8ET7		DWD	PND	T6	DET	VAC	SY	H	8.0	600					2					1.5	7.5	9LT	
5B48		DWD	PND	T6	DET	VAC	GE	H	4.7	600					5						1.3	9HK	
6BW8		DWD	PND	T6	DET	VAC	GE	H	6.3	450					5						1.3	9HK	
6DC8		DWD	PND	T6			RE	H	6.3	300	200		5		800U							9HE	
TRIDDE SINGLE																							
5517		TRI	SIN	T5	REC	GAS	RA	C			3K	100		1K	12							58U	
6174		TRI	SIN	T5	REC	GAS	RA	C			3K	30		1K	3							58U	
6877	+	TRI	SIN	T6	PA	RCD	8E	H	6.3	800	200	200	12.0	100	75	6500						9GB	
2FH5	S	TRI	SIN	T5	VHF	SCD	#PL	H	2.4	600	150	22	2.2	135	11	9000		5600	3.2	3.2	7FP		
3FH5	S	TRI	SIN	T5	VHF	SCD	#PL	H	3.0	450	150	22	2.2	135	11	9000		5600	3.2	3.2	7FP		
6FH5		TRI	SIN	T5	VHF	SCD	#PL	H	6.3	200	150	22	2.2	135	11	9000		5600	3.2	3.2	7FP		
7233		TRI	SIN	T6	REG	RCD	GE	H	6.3	1250	330	140	7.5	125	120	17500		230	7.5	2.2	9FR		
7312	+	TRI	SIN	CM	GEN	BE	BE	H	6.3	1250	275	150	20.0	135	125	7100	2					9FR	
5987	+	TRI	SIN	T3	PA	RCD	SY	H	6.3	450	165	50	4.0	100	9	1800	4		2.8	1.5	8DM		
2A3	S	TRI	SIN	ST16	PA	RCD	RC	F	2.5	2500	300		15.0	250	60	5200	4	800	7.5	5.5	4D		
7233		TRI	SIN	T6	REG	RCD	GE	H	6.3	1250	330	140	7.5	50	120	17500	4	230	7.5	2.2	9FR		
1284A		TRI	SIN	T6	VDA	RCD	GE	H	12.6	300	550	105	5.5	150	34	6300	6	1030	5.0	1.5	9AG		
6CK4		TRI	SIN	T9	VDA	RCD	SY	H	6.3	1250	550	350	12.0	250	40	5500	7	1200	8.0	1.8	8JB		
6029		TRI	SIN	T3x2	UHF	RCD	RA	F	1.2	200	135	14	1.0	90	11	2000	8		1.3	1.8	FL		
6AH4GT		TRI	SIN	T9	VDA	RCD	SY	H	6.3	750	500	180	7.5	250	30	4500	8	1780	7.0	1.7	8EL		
6286		TRI	SIN	T3x2	DSC	SRC	RA	F	1.2	125	100	7	0.4	68	6	2100	12		1.3	2.1	FL		
8056	+	TRI	SIN	MT4	CEN	HIP	RC	H	6.3	135	50	15	0.4	24	8	7000	12	1650				12AQ	
2T4	S	TRI	SIN	T5	DSC	SRC	SY	H	2.4	600	200	30	3.5	80	18	7000	13	1860	2.9	0.2	7DK		
6T4	S	TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	200	30	3.5	80	18	7000	13	1860	2.9	0.25	7DK		
1LE3		TRI	SIN	T9	GEN	RCD	SY	F	1.4	50	110			90	1	800	14	19K	1.7	3.0	4AA		
2D24	S+	TRI	SIN	T5	UHF	SRC	SY	H	2.4	600	135	20	2.3	80	15	6700	14	2000	2.2	1.3	7DK		
3D24		TRI	SIN	T5	UHF	SRC	SY	H	3.2	450	135	20	2.3	80	15	6700	14	2000	2.2	1.3	7DK		
6D24		TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	135	20	2.3	80	15	6700	14	2000	2.2	1.3	7DK		
5676	S	TRI	SIN	T3x2	UHF	SRC	RA	F	1.2	120	150	11		135	4	1600	15				FL		
6050	S	TRI	SIN	T3x2	UHF	SRC	RA	F	1.2	120	150	11		135	4	1600	15		1.2	1.9	FL		

CHARACTERISTIC LISTING - CCNTINUED

TUBE TYPE NUMBER	COOF	K1ND	TYPE	BUL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UM-H	MU	RP OHMS	IN	CUT	
TRIOOE SINGLE -CONTINUED-																					
2AF4B	S	TRI	SIN	T5	UHF	SRC	SY	H	2.4	600	150	28	2.2	80	16	6600	15	2270	1.1	3.3	7DK
5677		TRI	SIN	T2X2	UHF		RA	F	1.2	60	135	2				800	16				
6946	S+	TRI	SIN	T3	GEN	SRC	SY	H	6.3	175	250	15	1.5	100	9	3800	16	3600	1.6	0.75	80K
654A		TRI	SIN	T6	VA	RCD	RC	H	6.3	600	500	105	7.5	250	26	4500	16		4.2	0.9	9AC
5977	S	TRI	SIN	T3	GEN	SRC	SY	H	6.3	150	180	22	3.3	100	10	4500	16		2.0	0.8	8DK
3AF48		TRI	SIN	T5	OSC	SRC	SY	H	3.2	450	150	28	2.2	100	20	7500	16	2130	2.2	0.45	70K
6AF4A	S	TRI	SIN	T5	UHF	SRC	RC	H	6.3	225	150	28	2.2	100	20	7500	16	2130	2.2	0.45	70K
6C4wA	S*	TRI	SIN	T5	OSC	RCD	RC	H	6.3	150	330	28	3.8	250	10	2200	17	7700	1.7	1.1	68G
6100	S	TRI	SIN	T5	VA	RCD	GE	H	6.3	150	330	20	3.8	250	10	2200	17		1.8	1.3	68G
6135	S	TRI	SIN	T5	GEN	RCD	GE	H	6.3	175	300	25	3.5	250	10	2200	17	7700	1.5	0.7	68G
6152	+	TRI	SIN	T3X2	UHF	SRC	RA	H	6.3	200	180	22	1.1	100	10	5100	18		2.9	1.28	FL
6C5	S	TRI	SIN	MT8	GEN	RCD	RC	H	6.3	300	300		2.5	250	8	2000	20	10K	3.0	11.0	6Q
6J5GT		TRI	SIN	T9	GEN	RCD	HY	H	6.3	300	330	20	2.8	250	9	2600	20	7700			6Q
12J5WGT	S	TRI	SIN	T9	GEN	RCD	GE	H	12.6	150	330	20	2.8	250	9	2600	20	7700			6Q
6AK4		TRI	SIN	T3	UHF	RCD	SY	H	6.3	150	250	20	3.0	200	10	3800	20	5300	1.9	0.8	80K
7437		TRI	SIN	T3	VA	SCO	MU	F	6.3	150	100	8				4200	20				
5904		TRI	SIN	T3	VA	SCO	SY	H	26.5	45	55	22		26	3	5000	20		2.2	0.8	8DK
7246		TRI	SIN	T3X2	GEN	SCO	RA	H	1.2	150	150	8	0.7	105	4	2700	22		1.6	1.9	FL
5971		TRI	SIN	T3X2	VHF	SCO	RA	F	1.2	80	90	5		68	4	2100	23	190K	1.6	1.7	FL
CK5158X		TRI	SIN	T2	VA		RA	F	0.6	30	45	150U				200	24				FL
9002		TRI	SIN	T5	VHF	RCD		H	6.3	150	250		1.6	250	6	2200	25	11K	1.2	1.1	78S
7719		TRI	SIN	T6	ONA	HIP	TS	H	12.6	450	330	46	6.0	300	4	3500	25	7100	6.5	1.0	9MX
5703WH		TRI	SIN	T3	UHF	SRC	RA	H	6.3	200	200	15	1.4	120	9	5000	26		2.6	0.85	FL
6221	+	TRI	SIN	T3	VA	SCO	SO	H	6.3	175	165	22	3.3	100	8	5800	27	4650	2.2	0.9	8HF
5718	*	TRI	SIN	T3	UHF	SRC	SY	H	6.3	150	165	22	3.3	150	13	6500	27		2.2	0.7	8DK
7888	+	TRI	SIN	T3	OSC	SRC	SY	H	26.5	45	330	22	3.3	150	13	6500	27		2.2	0.7	8DK
6263		TRI	SIN	PEN	UHF	RCD	RC	H	6.0	280	400	70	13.0	350	40	7000	27		2.2	0.7	80K
6814	+	TRI	SIN	T3	ONA	SRC	SY	H	6.3	150	165		2.2	100	10	6000	29	4800	2.2	0.7	80K
20X4		TRI	SIN	T5	UHF		WH	H	2.4	600	150	20	2.2	85	10	11000	30	2700	3.7	0.38	70K
30X4		TRI	SIN	T5	UHF		WH	H	3.0	450	150	20	2.2	85	10	11000	30	2700	3.7	0.38	70K
6DX4		TRI	SIN	T5	UHF		WH	H	6.3	200	150	20	2.2	85	10	11000	30	2700	3.7	0.38	70K
7586	+	TRI	SIN	MT4	GEN	SCO	RC	H	6.3	140	330	20	1.0	75	10	11500	33	2900	4.0	1.4	12AQ
2DV4	+	TRI	SIN	MT4	OSC	SCO	RC	H	2.1	450	125	15	1.0	75	10	11500	35	3100	4.4	1.9	12EA
6DV4	+	TRI	SIN	MT4	OSC	SCO	RC	H	6.3	135	125	15	1.0	75	10	11500	35	3100	4.4	1.9	12EA
6264		TRI	SIN	PEN	UHF	SRC	RC	H	6.0	280	400	70	13.0	350	35	6800	40				
7994		TRI	SIN	T3	GGA	SCO	RA	H	6.3	250	200	30	2.0	100	13	18000	41	2K	9.5	2.9	FL
6AJ4	S	TRI	SIN	T6	UHF	SRC	GE	H	6.3	225	150	20	2.0	125	16	10000	42	4200			98X
8185	S+	TRI	SIN	T3	GGA	SRC	SY	H	6.3	300	250	50	4.2	200	17	19000	42		8.5	5.0	8KM
8186	S+	TRI	SIN	T3	GGA	SRC	SY	H	26.5	75	250	50	4.2	200	17	19000	42		10.0	5.0	8KM
28N4A		TRI	SIN	T5	VHF	SCO	GE	H	2.3	600	275	22	2.2	150	9	6800	43	6300	3.2	1.4	7EG

TUBE TYPE NUMBER	CODE	KINO	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS		TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.	
									V	MA	V	MA	EB V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	OUT		
TRIDDE SINGLE -CONTINUED-																					
38N4		TRI	SIN	T5	VHF	SCD	GE	H	3.0	450	275	22	2.2	150	9	6800	43	6300	3.2	1.4	7EG
6RN4A		TRI	SIN	T5	VHF	SCD	GE	H	6.3	200	275	22	2.2	150	9	6800	43	6300	3.2	1.4	7EG
8108		TRI	SIN	LIT	GEN	SCD	AM	H	6.3	735	500	70	10.0	180	60	21000	43				
5842	S	TRI	SIN	T6	GGA	SCD	WE	H	6.3	300	200	38	4.5	130	27	27000	43	1600	9.0	1.8	9V
7576		TRI	SIN	T3	GGA	SCD	RA	H	6.3	450	250	50	4.1	200	16	10700	46		12.0	FL	
68C4		TRI	SIN	T6	UHF	SRC	RC	H	6.3	225	250	25	2.5	150	14	10000	48	4800	2.9	0.26	9DR
6533WA	S+	TRI	SIN	T3	VA	SCD	RA	H	6.3	200	150	2	0.5	120	900U	1800	54		1.75	0.6	8FY
8096	+	TRI	SIN	T3	GEN	SCD	RA	H	6.3	200	150	2	0.5	120	900U	1800	54		1.75	0.60	8FY
1218A		TRI	SIN	T5	GGA	SRC	SY	H	6.3	225	300	30	4.0	200	18	10700	55		5.5	1.8	7DK
8334	+	TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	330	33	4.4	200	18	10700	55		2.9	0.25	7DK
6J4WA	S+	TRI	SIN	T5	UHF	SCD	RC	H	6.3	400	150	20	2.2	150	15	12000	55	4500			78Q
5876		TRI	SIN	PEN	UHF	SCD	RC	H	6.3	135	300	25	6.2	250	18	6500	56	8625			
8070		TRI	SIN	T3	UHF	SRC	SY	H	6.3	125	165	20	1.0	110	8	11000	58		3.3	2.1	8LD
6247WA	S+	TRI	SIN	T3	VA	SRC	RA	H	6.3	200	275	6	1.2	250	4	2600	60		2.0	0.7	8FO
6AB4	S	TRI	SIN	T5	GEN	SRC	GE	H	6.3	150	300	15	2.5	250	10	5500	60	11K	2.2	0.5	5CE
6664	S	TRI	SIN	T5	GEN	SRC	GF	H	6.3	150	330		2.9	250	10	5500	60	11K	2.2	0.5	5CE
7391		TRI	SIN	CM	UHF	SCD	GE	H	6.3	385	200	12	2.0	150	12	11000	62				
2DS4	S+	TRI	SIN	MT4	RFA	SRC	RC	H	2.1	450	300	15	1.0	110	7	9000	63	7000	4.3	1.8	12AQ
6DS4	S+	TRI	SIN	MT4	RFA	SRC	RC	H	6.3	135	300	15	1.0	110	7	9000	63	7000	4.3	1.8	12AQ
7895	+	TRI	SIN	MT4	GEN	SCD	RC	H	6.3	135	330	15	1.0	110	7	9400	64	6800			
8071	+	TRI	SIN	T3	UHF	SCD	SY	H	6.3	125	330	20	2.0	150	12	12000	65			8LE	
8255		TRI	SIN	T6	GGA	UHF	TE	H	6.3	160	550	12	1.8	150	12	13500	65		3.8	1.7	9NY
2CW4	S	TRI	SIN	MT4	RFA	SCD	RC	H	2.0	450	135		1.5	70	7	12500	68	5440	4.3	1.8	12AQ
6CW4	S	TRI	SIN	MT4	RFA	SCD	RC	H	6.3	130	135		1.5	70	7	12500	68	5440	4.3	1.8	12AQ
13CW4		TRI	SIN	MT4	RFA	SCD	RC	H	13.5	60	135		1.5	70	7	12500	68	5440	4.3	1.8	12AQ
6222	+	TRI	SIN	T3	VA	SCD	SO	H	6.3	175	165	3	0.6	100	700U	1700	70	4120	2.0	0.9	8HF
5719	*	TRI	SIN	T3	AFA	SCD	SY	H	6.3	150	165	3	0.6	150	2	2300	70		1.7	0.6	80K
5744WB	S	TRI	SIN	T3	UHF	SCD	RA	H	6.3	200	275	6	1.3	250	4	4000	70		2.7	2.3	FL
6AN4	S	TRI	SIN	T5	UHF	SCD	SY	H	6.3	225	300	30	4.0	200	13	10000	70		2.9	0.3	7DK
8058	+	TRI	SIN	MT4	GEN	SCD	RC	H	6.3	135	150		1.5	110	10	12400	70	5600	1.3		12CT
2FY5	S	TRI	SIN	T5	VHF	RCD	AM	H	2.4	400	200	20	2.2	135	11	13000	70		4.75	3.3	7FP
3FY5	S	TRI	SIN	T5	VHF	RCD	AM	H	3.1	450	200	20	2.2	135	11	13000	70		4.75	3.3	7FP
6FY5	S	TRI	SIN	T5	VHF	RCD	AM	H	6.3	200	200	20	2.2	135	11	13000	70		4.75	3.3	7FP
2GW5	S	TRI	SIN	T5	VHF	SCD	SY	H	2.4	600	200	25	2.5	135	12	15000	70	5800	5.5	4.0	7GK
3GW5	S	TRI	SIN	T5	VHF	SCD	SY	H	3.0	450	200	25	2.5	135	12	15000	70	5800	5.5	4.0	7GK
4GW5	S	TRI	SIN	T5	VHF	SCD	SY	H	4.2	300	200	25	2.5	135	12	15000	70	5800	5.5	4.0	7GK
6GW5	+	TRI	SIN	T5	VHF	SCD	SY	H	6.3	190	200	25	2.5	135	12	15000	70	5800	5.5	4.0	7GK
7552		TRI	SIN	PEN	UHF	SCD	RC	H	6.3	225	250	25	2.5	125	14	16000	70	4400	1.7	4.4	
2HA5		TRI	SIN	T5	RFA	SCD	AM	H	2.2	600	220	22	2.6	135	12	14500	72				
3HA5		TRI	SIN	T5	RFA	SCD	AM	H	2.7	450	220	22	2.6	135	12	14500	72				

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS						CAPACITANCE		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	CUT			
TRIODE SINGLE -CONTINUED-																							
4HA5		TRI	SIN	T5	RFA		AM	H	3.9	300	220	22	2.6	135	12	14500	72						
6HA5		TRI	SIN	T5	RFA		AM	H	6.3	180	220	22	2.6	135	12	14500	72						
2FQ5A	S	TRI	SIN	T5	VHF	SCO	SY	H	2.3	600	200	22	2.5	135	9	12000	74	6300	5.0	3.5	7FP		
3FQ5A	S	TRI	SIN	T5	VHF	SCO	SY	H	2.8	450	200	22	2.5	135	9	12000	74	6300	5.0	3.5	7FP		
6FQ5A	S	TRI	SIN	T5	VHF	SCO	SY	H	6.3	180	200	22	2.5	135	9	12000	74	6300	5.0	3.5	7FP		
2ES5	S	TRI	SIN	T5	AFA	SCO	*PL	H	2.4	600	250	22	2.2	200	10	9000	75	8000	3.2	3.2	7FP		
3ES5	S	TRI	SIN	T5	AFA	SCO	*PL	H	3.0	450	250	22	2.2	200	10	9000	75	8000	3.2	3.2	7FP		
6ES5	S	TRI	SIN	T5	AFA	SCO	*PL	H	6.3	200	250	22	2.2	200	10	9000	75	8000	3.2	3.2	7FP		
2FK5		TRI	SIN	T5	RFA		SY	H	2.3	600	200	22	2.3	135	12	15000	75	5000	4.4	2.6	7GM		
3FK5		TRI	SIN	T5	RFA		SY	H	2.9	450	200	22	2.3	135	12	15000	75	5000	4.4	2.6	7GM		
4FK5		TRI	SIN	T5	RFA		SY	H	4.0	300	200	22	2.3	135	12	15000	75	5000	4.4	2.6	7GM		
6FK5		TRI	SIN	T5	RFA		SY	H	6.3	190	200	22	2.3	135	12	15000	75	5000	4.4	2.6	7GM		
2GK5	S	TRI	SIN	T5	VHF	SCO	SY	H	2.3	600	200	22	2.5	135	12	15000	78	5400	5.0	3.5	7FP		
3GK5	S	TRI	SIN	T5	VHF	SCO	SY	H	2.8	450	200	22	2.5	135	12	15000	78	5400	5.0	3.5	7FP		
4GK5		TRI	SIN	T5	VHF	SCO	SY	H	4.0	300	200	22	2.5	135	12	15000	78	5400	5.0	3.5	7FP		
6GK5	S	TRI	SIN	T5	VHF	SCO	SY	H	6.3	180	200	22	2.5	135	12	15000	78	5400	5.0	3.5	7FP		
7625		TRI	SIN	CM	AFA	SCO	GE	H	6.3	240	275	4	0.8	150	950U	1400	80	57K	1.5	0.03	7FP		
7738		TRI	SIN	T5	UHF	SRC	SY	H	6.3	225	330	40	5.0	200	12	9500	80		3.0	1.8	7DK		
2ER5	S+	TRI	SIN	T5	VHF	SRC	RE	H	2.1	600	250	20	2.2	200	10	10500	80		4.4	4.0	7FP		
3ER5	S	TRI	SIN	T5	VHF	SRC	RE	H	2.8	450	250	20	2.2	200	10	10500	80		4.4	4.0	7FP		
6ER5	S	TRI	SIN	T5	VHF	SRC	AM	H	6.3	180	250	20	2.2	200	10	10500	80		4.4	4.0	7FP		
7553	+	TRI	SIN	PEN	UHF		RC	H	6.3	225	250	25	2.5	125	12	13000	80	6150	4.4	0.03	98X		
6AM4		TRI	SIN	T6	MIX	SCO	GE	H	6.3	225	200	25	2.0	200	10	9800	85	8700	1.7	0.1			
7486		TRI	SIN	CM	PA	SCO	GE	H	6.3	240	250	25	1.0	150	8	10500	90		1.8	0.32			
7720		TRI	SIN	CM	OSC		GE	H	6.3	240	250	25	1.0	150	8	10500	90						
6DR4		TRI	SIN	T5	VA	SCO	*HY	H	6.3	150	330		1.2	250	1	1600	100	62K	1.6	0.46	68G		
7644	S	TRI	SIN	CM	UHF		GE	H	6.3	300	200	12	2.0	175	10	15000	110						
7784	S	TRI	SIN	CM	UHF	SCO	GE	H	6.3	300	200	12	2.0	180	10	15000	110						
6299	S	TRI	SIN	CM	UHF	SCO	GE	H	6.3	300	200	12	2.0	175	10	11500	115	9600					
7588	S	TRI	SIN	CM	RFA	SCO	GE	H	6.3	400	300	30	5.5	200	25	40000	125	3100	6.5	0.08			
7768	S	TRI	SIN	CM	RFA	SCO	GE	H	6.3	400	330	3	5.5	200	24	50000	225	4500					
2C53	S	TRI	SIN	T9	REG	*NU	*NU	H	6.3	300	8K	100	12.0	5K	900U	1000	450	400K					
7235	S	TRI	SIN	T6	REG	RCD	*NU	H	6.3	300	10K	100	12.0	1K	2	800	550	700K			9KE		

TUBE TYPE NUMBER	CODE	KINO	TYPE	BULB	USE	TUBE CHAR	REG	K	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.					
									V	MA	V	MA	V	MA	W	EB V	18 MA	GM UMHO	MU	RP OHMS	IN		OUT				
TRIOOE TW1N																											
7327	S+	TRI	TWN	T3	ONA		SY	H	6.3	300	300			1.0	300	700								1.9	0.32	80G	
7550	S+	TRI	TWN	T3	ONA	SRC	SY	H	6.3	525	300			2.0	300	1400								4.0	0.28	80G	
7892		TRI	TWN	T6	VA	HIP	TS	H	6.3	900	330			4.2	175	5000								4.0	0.6	9H	
6GMB		TRI	TWN	T6	RFA		RE	H	6.3	330	30	20		0.6	25	8	7800					2100				90E	
6FC7		TRI	TWN	T6	CA	SCD	MU	H	6.3	340	130	22		1.8	90	15	12000							6.3	4.5	90D	
7FC7		TRI	TWN	T6	CA	SCD	MU	H	7.2	300	130	22		1.8	90	15	12000							6.3	4.5	90D	
4ES8		TRI	TWN	T6	CA	SRC	RE	H	4.5	600	130	22		1.8	90	15	12500					2500				9AJ	
5ES8		TRI	TWN	T6	CA	SRC	RE	H	5.6	450	130	22		1.8	90	15	12500					2500				9AJ	
6ES8		TRI	TWN	T6	CA	SRC	RE	H	6.3	365	130	22		1.8	90	15	12500					2500				9AJ	
7ES8		TRI	TWN	T6	CA	SRC	RE	H	7.2	300	130	22		1.8	90	15	12500					2500				9AJ	
6AS7GY8	S	TRI	TWN	T12	REG	RCO	GE	H	6.3	2500	250	125		13.0	135	125	7000	2	280					6.5	2.2	88D	
6080WA	S+	TRI	TWN	T12	PA	RCO	RC	H	6.3	2500	250	125		13.0	135	125	7000	2	280					6.0	2.2	88D	
6082		TRI	TWN	T12	PA	RCO	RC	H	26.5	600	250	125		13.0	135	125	7000	2	280					6.0	2.2	88D	
6520	S	TRI	TWN	ST16	PA	RCO	CH	H	6.3	2500	300	125		14.0	135	112	7000	2	280					8.4	2.2	88D	
7105	S+	TRI	TWN	T12	PA	RCO	TS	H	12.6	1250	250	125		13.0	135	125	7000	2	280					6.0	2.2	88D	
7236	S	TRI	TWN	T12	PA	RCO	TS	H	6.3	2400	300	190		15.0	120	100	12500	5	350					9.0	3.3	88D	
5998A	S	TRI	TWN	T12	REG	VAC	GE	H	6.3	2400	275	140		15.0	110	100	15500	5	350					6.5	2.0	88D	
7802		TRI	TWN	T12	PA	HIP	TS	H	6.3	2500	250	160		13.0	100	115	20000	8									
6BX7GT	S	TRI	TWN	T9	VDA	RCO	SY	H	6.3	1500	500	180		10.0	250	42	7600	10	1300					4.4	1.1	88D	
3A5		TRI	TWN	T5	VA	SRC	RC	F	2.8	110	135	5		0.5	90	4	1800	15	8300					0.9	1.0	78C	
68L7GTA	S	TRI	TWN	T9	VDA	RCO	SY	H	6.3	1500	500	210		10.0	250	40	7000	15	2150					4.2	0.9	88D	
12AH7GT		TRI	TWN	T9	AFA	SRC	GE	H	12.6	150	180			1.5	180	8	1900	16	8400							88E	
6AU7		TRI	TWN	T6	AFA	RCO	RC	H	6.3	300	300	60		2.8	250	10	2200	17	7700					1.6	0.4	9A	
7AU7		TRI	TWN	T6	AFA	RCO	GE	H	7.0	300	300	60		2.8	250	10	2200	17	7700					1.6	0.4	9A	
9AU7		TRI	TWN	T6	AFA	RCO	GE	H	9.4	225	300	60		2.8	250	10	2200	17	7700					1.6	0.4	9A	
12AU7A	S	TRI	TWN	T6	AFA	RCO	PL	H	12.6	150	300	60		2.8	250	10	2200	17	7700					1.6	0.4	9A	
5814A	S+	TRI	TWN	T6	GEN	RCO	GE	H	12.6	175	330	22		3.0	250	10	2200	17	7700					1.6	0.5	9A	
6189	S+	TRI	TWN	T6	AFA	RCO	SY	H	12.6	150	330	22		3.0	250	10	2200	17	7700					1.6	0.4	9A	
6680	S	TRI	TWN	T6	AFA	RCO	GE	H	12.6	150	330	22		3.0	250	10	2200	17	7700					1.6	0.4	9A	
7489	S+	TRI	TWN	T6	AFA	SRC	ST	H	12.6	150	330	20		3.0	250	10	2200	17	7700					1.6	0.5	9A	
7730	S+	TRI	TWN	T6	AFA	RCO	HY	H	12.6	150	330	20		3.0	250	10	2200	17	7700					1.6	0.40	9A	
128H7A	S	TRI	TWN	T6	VDA	SRC	HY	H	12.6	300	500	20		3.5	250	12	3100	17	5300					3.3	0.8	9A	
6386	+	TRI	TWN	T6	CA	SRC	CA	H	6.3	350	300	18		1.5	100	10	4000	17	4250					2.0	1.1	8CJ	
6GA8		TRI	TWN	T6	GEN		TA	H	6.3	300	250			2.0			3400	18								9AJ	
6350	S	TRI	TWN	T6	ONA	SRC	SY	H	12.6	300	300	300		3.5	150	11	4600	18	3900					3.6	0.6	9CZ	
5687WA	S+	TRI	TWN	T6	GEN	RCO	TS	H	12.6	450	330	65		3.8	120	36	11500	18						4.0	0.6	9H	
6900	S	TRI	TWN	T6	GEN	SRC	BE	H	12.6	450	330			4.2	120	36	11500	18								9H	
7370	S	TRI	TWN	T6	GEN	RCO	TS	H	4.0	130	330	65		4.8	120	36	11500	18	1560					4.0	0.6	9H	
7044	S	TRI	TWN	T6	ONA	SRC	SY	H	12.6	450	600	400		4.5	120	36	10000	19	1900					4.8	0.65	9H	
387		TRI	TWN	T9	UHF	SRC	SY	F	2.8	110	180	15		2.7	135	11	1900	20						1.4	1.8	78E	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.	
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PTCOFARADS IN	CUT		
TRIODE TWIN -CONTINUED-																						
5692 6CG7 6FQ7 6SN7GT8	S+	TRI	TWN	T9	VA	RCO	RC	H	6.3	600	275	15	1.8	250	6	2200	20	9100		2.3	2.2	880
	S	TRI	TWN	T6	GEN	RCO	RC	H	6.3	600	300	20	3.5	250	9	2600	20	7700				9AJ
		TRI	TWN	T6	GEN	RCO	RC	H	6.3	600	330	22	4.0	250	9	2600	20	7700				9LP
	S+	TRI	TWN	T9	GEN	RCO	RC	H	6.3	600	450	70	5.0	250	9	2600	20	7700		2.2	0.7	880
8CG7	S	TRI	TWN	T6	GEN	RCO	GE	H	8.4	450	300	20	3.5	250	9	2600	20	7700		2.3	2.2	9AJ
		TRI	TWN	T6	GEN	RCO	RC	H	8.4	450	330	22	4.0	250	9	2600	20	7700				9LP
8FQ7 8SN7GT8 12SN7GTA	S	TRI	TWN	T9	GEN	RCO	SY	H	8.4	450	450	70	5.0	250	9	2600	20	7700		2.2	0.7	880
		TRI	TWN	T9	GEN	RCO	GE	H	12.6	300	450	70	5.0	250	9	2600	20	7700		2.2	0.7	880
	S*	TRI	TWN	T3	VA	SRC	SY	H	6.3	300	165	22	1.1	100	8	5000	20	4000		1.9	0.28	8DG
	S+	TRI	TWN	T3	UHF	SRC	RA	F	6.3	300	165	22	1.1	100	8	5000	20	4000		1.5	1.9	8DG
7760 7887 6463 6840 7962	S+	TRI	TWN	T3	GEN	SCD	SY	H	26.5	90	55	22		26	3	5000	20			2.2	0.36	8DG
	S+	TRI	TWN	T3	GEN	SRC	SY	H	26.5	90	165	22	1.1	100	8	5000	20			1.9	3.0	8DG
	S	TRI	TWN	T6	ONA	SRC	GE	H	12.6	300	300	300	4.0	250	14	5200	20	3850		3.0	0.6	9CZ
	S+	TRI	TWN	T6	ONA	SRC	GE	H	12.6	400	300	500	4.0	250	14	6700	20	3000		4.0	0.7	9CZ
7962 +	+	TRI	TWN	T3	UHF	SCD	SY	H	6.3	235	100	15	0.8	60	9	9500	20			3.0		8DG
		TRI	TWN	T3	UHF	SCD	SY	H	6.3	235	100	15	0.8	60	9	9500	20			3.0		8DG
	+	TRI	TWN	T3	GEN	SCD	SY	H	26.5	85	55	22		26	6	11000	20					8DG
	S	TRI	TWN	T6	ONA	SRC	RC	H	12.6	150	250	100	2.5	68	7	2800	22	7850		1.9	0.5	9A
12FV7 7490 7119		TRI	TWN	T6	ONA	RCO	RC	H	12.6	450	300	30	2.5	100	16	9600	22	2250		0.6	5.5	9A
	+	TRI	TWN	T6	AFA	SCD	ST	H	12.6	300	300	60	5.0	250	6	3200	24					9A
		TRI	TWN	T6	ONA	SRC	RE	H	12.6	320	300	60	4.5	120	36	15000	24					9H
		TRI	TWN	T6	CA	SCD	WH	H	4.5	600	150	20	2.0	65	9	6700	25			2.4	1.25	9AJ
8223 6832 7EK7	+	TRI	TWN	T6	CA	SRC	SH	H	6.3	475	250	40	3.0	100	30	18000	25	1400		4.7		9AJ
	S+	TRI	TWN	T3	VA	SCD	RA	H	6.3	400	165	3	0.1	100	800U	1000	26					8DG
		TRI	TWN	T6	OSC	SCD	TA	H	7.0	300	250	16	2.0	90	15	9000	26					9DD
	S	TRI	TWN	T5	ONA	SRC	SY	H	6.3	300	175	9	0.5	100	5	3400	27	7950		2.4	0.5	78F
5844 6211A 6DJ8 6FW8 7DJ8	S	TRI	TWN	T5	ONA	SRC	GE	H	6.3	300	200	10	1.0	100	5	3700	28	7550		2.6	0.5	78F
	S+	TRI	TWN	T6	ONA	HIP	GE	H	12.6	150	200	14	1.3	100	7	4700	31	6500		2.9		9A
	S	TRI	TWN	T6	CA	SRC	RE	H	6.3	365	130	25	1.8	90	15	12500	33					9AJ
	S	TRI	TWN	T6	RFA	SRC	RC	H	6.3	400	250	22	2.2	125	15	12500	33	2600		3.4	2.4	9AJ
12DJ8 6922 7308 7803 6947		TRI	TWN	T6	CA	SRC	RE	H	7.0	300	130	25	1.8	90	15	12500	33					9AJ
		TRI	TWN	T6	GEN		SY	H	12.6	180	130	25	1.8	90	15	12500	33					9AJ
	S+	TRI	TWN	T6	CA	SRC	RA	H	6.3	300	250	22	1.6	100	15	12500	33			3.9	1.95	9DE
	S+	TRI	TWN	T6	GEN	SRC	AM	H	6.3	335	400	110	1.6	100	15	12500	33					9DE
7803 6947	S	TRI	TWN	T6	VA	SCD	SY	H	6.3	365	200	30	3.5	90	15	12500	33			3.3	1.8	9AJ
	S+	TRI	TWN	T3	GEN	SRC	SY	H	6.3	350	250	13	0.8	150	6	4000	35			1.6	0.2	8DG
		TRI	TWN	T6	GEN	SRC	8E	H	6.3	500	300	25	1.5	150	8	5000	35					8CJ
	S+	TRI	TWN	T6	GEN	SRC	8E	H	6.3	500	300	25	1.5	150	8	5000	35					8CJ
6385 6021 7759 2C51 407A	S+	TRI	TWN	T6	GEN	SRC	8E	H	6.3	500	300	25	1.5	150	8	5000	35					8CJ
	S*	TRI	TWN	T3	UHF	SCD	SY	H	6.3	300	165	22	1.1	100	6	5400	35	6500		2.4	0.28	8DG
	+	TRI	TWN	T3	GEN	SCD	SY	H	26.5	90	165	22	1.1	100	6	5400	35			2.0	0.33	8DG
	S	TRI	TWN	T6	GEN	SRC	8T	H	6.3	300	300	18	1.5	150	8	5500	35			2.2	1.0	8CJ
407A	S+	TRI	TWN	T6	GEN	SRC	SY	H	40.0	50	330	18	1.6	150	8	5500	35			2.2	1.0	8CJ

TUBE TYPE NUMBER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT			
TRIODE TWIN -CONTINUED-																							
5670WA	S*	TRI	TWN	T6	GEN	SRC	GE	H	6.3	350	330	18	1.6	150	8	5500	35	6400	2.2	1.0	8CJ		
7861	S	TRI	TWN	T6	GEN	SRC	GE	H	12.6	175	330	18	1.4	150	8	5500	35	6400	2.2	1.0	8CJ		
48C8	S	TRI	TWN	T6	CA	SRC	SY	H	4.2	600	250	22	2.2	150	10	6200	35	5300	2.6	1.3	9AJ		
68C8	S	TRI	TWN	T6	68C8	CA	SRC	SY	H	6.3	400	250	22	2.2	150	10	6200	35	5300	2.6	1.3	9AJ	
48Z7	S	TRI	TWN	T6	CA	SCO	SY	H	4.2	600	250	20	2.0	150	10	6800	36	5300	2.6	1.2	9AJ		
68Z7	S	TRI	TWN	T6	CA	SCO	#PL	H	6.3	400	250	20	2.0	150	10	6800	36	5300	2.6	1.2	9AJ		
7057	S	TRI	TWN	T6	RFA	SRC	RC	H	13.5	180	275	20	2.2	150	10	6800	36	5300	2.6	1.2	9AJ		
48S8	S	TRI	TWN	T6	CA	SCO	WH	H	4.2	600	150	20	2.0	150	10	7200	36	5000	2.6	1.4	9AJ		
58S8	S	TRI	TWN	T6	CA	SCO	WH	H	5.6	450	150	20	2.0	150	10	7200	36	5000	2.6	1.4	9AJ		
68S8	S	TRI	TWN	T6	CA	SCO	WH	H	6.3	400	150	20	2.0	150	10	7200	36	5000	2.6	1.4	9AJ		
6HK8		TRI	TWN	T6	CA	SCO	TO	H	6.3	400	150	20	2.0	90	8	8000	36	4500	3.3		9DE		
3FX7		TRI	TWN	T3	AFA	SCO	TO	H	3.5	600	100	20	1.7	90	9	9500	36	3800	3.1	1.05	8LK		
6FX7		TRI	TWN	T3	AFA	SCO	TO	H	6.3	300	100	20	1.7	90	9	9500	36	3800	5.5	2.95	8LK		
5J6		TRI	TWN	T5	RFA	SCO	GE	H	4.7	600	300	15	1.5	100	8	5300	38	7100	2.2	0.4	78F		
6J6	S	TRI	TWN	T5	RFA	SCO	RC	H	6.3	450	300	15	1.5	100	8	5300	38	7100	2.2	0.4	78F		
19J6		TRI	TWN	T5	RFA	SCO	RC	H	18.9	150	300	15	1.5	100	8	5300	38	7100	2.2	0.4	78F		
6099	S	TRI	TWN	T5	RFA	SRC	RC	H	6.3	450	330	25	1.6	100	9	6000	38	6300	2.1	0.4	78F		
6101	S*	TRI	TWN	T5	RFA	RCD	RC	H	6.3	450	330		0.8	100	8	6000	38	6300	2.0	0.4	78F		
48Q7A	S	TRI	TWN	T6	CA	SCO	SY	H	4.2	600	250	20	2.0	150	9	6400	38	5900	2.6	1.2	9AJ		
58Q7A	S	TRI	TWN	T6	CA	SCO	GE	H	5.6	450	300	20	2.0	150	9	6400	38	5900	2.6	1.2	9AJ		
68Q7A	S	TRI	TWN	T6	CA	SCO	RC	H	6.3	400	250	20	2.0	150	9	6400	38	5900	2.6	1.2	9AJ		
5964	S	TRI	TWN	T5	ONA	SRC	RC	H	6.3	450	250	75	1.5	100	10	6000	39	6500	2.1	0.4	78F		
4CX7		TRI	TWN	T6	CA	SRC	SY	H	4.2	600	250	20	2.0	150	9	6400	39	6500	2.4	1.3	9FC		
6CX7	S	TRI	TWN	T6	CA	SRC	SY	H	6.3	400	250	20	2.0	150	9	6400	39	6500	2.4	1.3	9FC		
7963	+	TRI	TWN	T3	UHF	SCO	SY	H	6.3	350	165	22	1.1	100	8	13000	40		3.6		8DG		
12AV7	S	TRI	TWN	T6	RFA	SRC	#PL	H	12.6	225	300		2.7	150	18	8500	41	4800	3.1	0.5	9A		
6414	+	TRI	TWN	T6	ONA	SRC	GE	H	12.6	225	200	160	2.0	180	8	5600	42	7650	4.0	0.47	9A		
58K7A	S	TRI	TWN	T6	CA	SRC	GE	H	4.7	600	300		2.7	150	18	9300	43	4600	3.0	1.0	9AJ		
68K7A	S	TRI	TWN	T6	CA	SRC	GE	H	6.3	450	300		2.7	150	18	9300	43	4600	3.0	1.0	9AJ		
12AY7	S	TRI	TWN	T6	AFA	SCO	GE	H	12.6	150	300	10	1.5	250	3	1800	44	25K	1.3	0.6	9A		
6072A	S*	TRI	TWN	T6	AFA	SRC	GE	H	12.6	175	330	4	1.6	250	3	1800	44	25K	1.5	0.43	9A		
68Z8	S	TRI	TWN	T6	CA	SRC	#PL	H	6.3	400	250	20	2.2	125	10	8000	45	5600			9AJ		
4KN8	S	TRI	TWN	T6	VHF	SCO	HI	H	4.2	600	220	22	2.2	110	16	16000	45	2800			9AJ		
6KN8	S	TRI	TWN	T6	VHF	SCO	HI	H	6.3	400	220	22	2.2	110	16	16000	45	2800			9AJ		
68Z9	S*	TRI	TWN	T6	ONA	SRC	GE	H	12.6	225	275	160	2.2	150	8	6700	47	7000	4.0	0.5	9A		
5965A	S*	TRI	TWN	T6	ONA	HIP	GE	H	12.6	225	330	16	4.0	150	8	7000	47	6700	4.0		9A		
14F8	+	TRI	TWN	T9	VHF	SRC	TS	H	12.6	150	300		3.5	250	6	3300	48		2.8	1.4	88W		
7F8W	S	TRI	TWN	T9	RFA	SRC	SY	H	6.3	300	300		3.2	250	10	5200	50		2.8	1.7	88W		
6AQ8	S	TRI	TWN	T6	RFA	SCO	RE	H	6.3	435			230	10	6000	57	9700				9AJ		
6EV7	S	TRI	TWN	T6	ONA	SRC	RC	H	6.3	600	300	20	2.5	250	9	5200	60	12K	0.3	0.33	9LP		

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.	
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT				
TRIODE TWIN -CONTINUEO-																								
60T8 12AT7WA 12AZ7A 12OT8 6201	S*	TRI	TWN	T6	RFA	SRC	RC	H	6.3	300	300	300	2.5	250	10	5500	60	11K	2.7	1.6	9AJ			
		TRI	TWN	T6	RFA	SRC	GE	H	12.6	150	300	300	2.5	250	10	5500	60	11K	2.2	0.5	9A			
		TRI	TWN	T6	OSC	SRC	#PL	H	12.6	225	330	330	5.0	250	10	5500	60	11K	3.1	0.5	9A			
		TRI	TWN	T6	RFA	SRC	RC	H	12.6	150	300	300	2.5	250	10	5500	60	11K	2.7	1.6	9AJ			
		TRI	TWN	T6	VHF	SRC	GE	H	12.6	150	300	300	2.5	250	10	5500	60	11K	2.2	0.5	9A			
6679 7492 7728 7898 5755	S	TRI	TWN	T6	RFA	SRC	GE	H	12.6	150	330	330	2.8	250	10	5500	60	11K	2.2	0.5	9A			
		TRI	TWN	T6	RFA	SRC	ST	H	12.6	150	380	22	2.8	250	10	5500	60	11K	2.5	0.45	9A			
		TRI	TWN	T6	RFA	SRC	#HY	H	12.6	150	330	330	2.8	250	10	5500	60	11K	2.2	0.5	9A			
		TRI	TWN	T6	GEN	SRC	RC	H	13.5	150	330	330	2.8	250	10	5500	60	11K	2.5	0.8	9EP			
		TRI	TWN	T6	VA	SCD	WE	H	12.6	180	225	4	0.9	310	150U	500	70	140K	1.5	0.8	9J			
5751 6SC7GT 12SC7 6SL7WGT 6SU7GT	S*	TRI	TWN	T6	VA	SCD	GE	H	12.6	175	330	330	0.8	250	1	1200	70	58K	1.4	0.46	9A			
		TRI	TWN	MT8	AFA	SCD	RC	H	6.3	300	250	250	2.50	250	2	1300	70	53K	2.0	3.0	8S			
		TRI	TWN	MT8	AFA	SCD	RC	H	12.6	150	250	250	1.0	250	2	1300	70	53K	2.0	3.0	8S			
		TRI	TWN	T9	VA	SCD	RC	H	6.3	300	250	250	1.0	250	2	1600	70	44K	1.6	0.2	88D			
		TRI	TWN	T9	RFA	SCD	TS	H	6.3	300	250	250	1.0	250	2	1600	70	44K	1.6	0.2	88D			
12SL7GT 14F7 5691 6188 6948	S	TRI	TWN	T9	VA	SCD	RC	H	12.6	150	300	300	1.0	250	2	1600	70	44K	2.4	2.0	88D			
		TRI	TWN	T9	VA	SCD	SY	H	12.6	150	300	300	1.0	250	2	1600	70	44K	2.4	2.0	88D			
		TRI	TWN	T9	VA	SCD	RC	H	6.3	600	275	10	1.0	250	2	1600	70	44K	2.4	2.0	88D			
		TRI	TWN	T9	GEN	SCD	TS	H	6.3	300	275	10	1.1	250	2	1600	70	44K	1.6	0.2	80G			
		TRI	TWN	T3	GEN	SCD	SY	H	6.3	350	250	10	0.5	100	800U	1600	70	44K	1.6	0.2	80G			
6112 7889 12FC8 7494 6AX7	S*	TRI	TWN	T3	VA	SCD	SY	H	6.3	300	165	3	0.6	150	2	2500	70	28K	1.7	0.2	80G			
		TRI	TWN	T3	AFA	SCD	SY	H	26.5	90	330	3	0.6	150	2	2500	70	28K	1.7	0.2	80G			
		TRI	TWN	T6	OSC	SCD	GE	H	12.6	150	330	95	0.5	250	2	1200	95	76K	1.7	2.6	8DG			
		TRI	TWN	T6	AFA	SCD	ST	H	12.6	150	330	20	1.1	250	1	1600	95	59K	1.6	0.34	9KT			
		TRI	TWN	T6	VA	SCD	SY	H	6.3	300	300	100	1.0	250	1	1600	100	62K	1.6	0.46	9A			
6EU7 12A07 12AX7A 20E27 6681	+	TRI	TWN	T6	AFA	SCD	RC	H	6.3	300	330	330	1.2	250	1	1600	100	62K	1.6	0.2	9LS			
		TRI	TWN	T6	AFA	SCD	SY	H	12.6	225	300	1	1.0	250	1	1600	100	62K	1.6	0.5	9A			
		TRI	TWN	T6	VA	SCD	RC	H	12.6	150	330	1	1.2	250	1	1600	100	62K	1.6	0.46	9A			
		TRI	TWN	T6	AFA	SCD	RC	H	20.0	100	330	1	1.2	250	1	1600	100	62K	1.6	0.46	9MJ			
		TRI	TWN	T6	VA	SCD	GE	H	12.6	150	330	1	1.1	250	1	1600	100	62K	1.6	0.46	9A			
7025 7058 128Z7	S	TRI	TWN	T6	VA	SCD	RC	H	12.6	150	300	1	1.0	250	1	1600	100	62K	1.6	0.46	9A			
		TRI	TWN	T6	GEN	SCD	RC	H	13.5	155	330	1	1.0	250	1	1600	100	61K	1.6	0.46	9AJ			
		TRI	TWN	T6	VHF	SCD	#HY	H	12.6	300	300	2	1.5	250	2	3200	100	32K	6.5	0.7	9A			

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS					TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	W	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT			
TRIODE TRIPLE																								
6GYB	S	TRT		T6	GEN	SCO	GE	H	6.3	450	330		5.0	125	4	4500		14K	5.0	1.6	9M8			
6AV11		TRT		T9	GEN	RCO	GE	H	6.3	600	330	20	2.8	250	10	2200	17	7700	1.9	128Y				
7688		TRT		T7	GEN	RCO	#HY	H	6.3	450	330	20	3.0	250	10	2200	17	7700		128A				
6Q11		TRT		T9	CON	SRC	TS	H	6.3	600	330		3.0	150	22	2500	18	7000	1.9	1.7	128Y			
6D10		TRT		T9	GEN	SCO	SY	H	6.3	450	330		2.0	125	4	4200	57	14K	2.2	0.5	128Q			
TRIODE DUAL DISSIMILAR																								
6CY7		TRI	DIS	T6	VDA	RCO	GE	H	6.3	750	350	120	5.5	150	30	5400	5	920	5.0	1.0	9EF			
8CY7		TRI	DIS	T6	VDA	RCO	GE	H	7.9	600	350	120	5.5	150	30	5400	5	920	5.0	1.0	9EF			
11CY7		TRI	DIS	T6	VDA	RCO	SY	H	11.0	450	350	120	5.5	150	30	5400	5	920	5.0	1.0	9EF			
6GL7	S	TRI	DIS	T9	VDA	HIP	GE	H	6.3	1050	550	50	10.0	175	46	6400	5	780	6.0	1.3	88D			
6EA7	S	TRI	DIS	T9	VDA	RCO	GE	H	6.3	1050	550	50	10.0	175	48	6500	5	770	6.0	1.3	88D			
6EM7	S	TRI	DIS	T9	VDA	RCO	SY	H	6.3	900	330	175	10.0	150	50	7200	5	750	7.0	1.8	88D			
6FR7		TRI	DIS	T9	VDA	RCO	SY	H	6.3	925	330	175	10.0	150	50	7200	5	750	7.5	1.2	9HF			
6GF7		TRI	DIS	T9	VDA	RCO	RC	H	6.3	985	330	50	11.0	150	50	7200	5	750	6.5	1.4	9QD			
10EM7		TRI	DIS	T9	VDA	RCO	RC	H	9.7	600	330	175	10.0	150	50	7200	5	750	7.0	1.8	88D			
10FR7		TRI	DIS	T9	VDA	RCO	SY	H	9.7	600	330	175	10.0	150	50	7200	5	750	7.5	1.2	9HF			
10GF7		TRI	DIS	T9	VDA	RCO	RC	H	9.7	600	330	50	11.0	150	50	7200	5	750	6.5	1.4	9QD			
13EM7		TRI	DIS	T9	VDA	RCO	SY	H	13.0	450	330	175	10.0	150	50	7200	5	750	7.0	1.8	88D			
13FR7		TRI	DIS	T9	VDA	RCO	SY	H	13.0	450	330	175	10.0	150	50	7200	5	750	7.5	1.2	9HF			
13GF7		TRI	DIS	T9	VDA	RCO	RC	H	13.0	450	330	50	11.0	150	50	7200	5	750	6.5	1.4	9QD			
6FM7		TRI	DIS	T9	VDA	RCO	GE	H	6.3	1050	550	50	10.0	175	40	6000	6	920	7.0	1.1	12EJ			
13FM7		TRI	DIS	T9	VDA		SY	H	13.0	450	550	50	10.0	175	40	6000	6	920	2.4	0.4	12EJ			
15EA7		TRI	DIS	T9	VDA	RCO	GE	H	14.8	450	550	50	10.0	175	40	6000	6	920	6.0	1.3	88D			
15FM7		TRI	DIS	T9	VDA	RCO	GE	H	14.8	450	550	50	10.0	175	40	6000	6	920	2.4	0.4	12EJ			
6DE7	S	TRI	DIS	T6	VDA	RCO	SY	H	6.3	900	275	175	7.0	150	35	6500	6	925	5.5	1.0	9HF			
6DR7	S	TRI	DIS	T6	VDA	RCO	SY	H	6.3	900	275	175	7.0	150	35	6500	6	925	5.5	1.0	9HF			
10DE7	S	TRI	DIS	T6	VDA	RCO	SY	H	9.7	600	275	175	7.0	150	35	6500	6	925	5.5	1.0	9HF			
10DR7	S	TRI	DIS	T6	VDA	RCO	SY	H	9.7	600	275	175	7.0	150	35	6500	6	925	5.5	1.0	9HF			
12AE7		TRI	DIS	T6	AFD	#PL	SY	H	12.6	450	16		1.0	13	8	6500	6	985	4.2	0.85	9A			
13DE7	S	TRI	DIS	T6	VDA	RCO	SY	H	13.0	450	275	175	7.0	150	35	6500	6	925	5.5	1.0	9HF			
13DR7	S	TRI	DIS	T6	VDA	RCO	SY	H	13.0	450	275	175	7.0	150	35	6500	6	925	5.5	1.0	9HF			
19DE7		TRI	DIS	T6	VDA	RCO	SY	H	19.4	300	275	175	7.0	150	35	6500	6	925	5.5	1.0	9HF			
6EW7	S	TRI	DIS	T9	VDA	RCO	SY	H	6.3	900	330	175	10.0	150	45	7500	6	800	7.0	1.2	9HF			
6FD7	S	TRI	DIS	T9	VDA	RCO	#PL	H	6.3	925	330	175	10.0	150	40	7500	6	800	6.5	1.2	9HF			
6FY7		TRI	DIS	T9	VDA	RCO	GE	H	6.3	1050	275	50	7.0	150	45	7500	6	800	6.5	1.2	12EO			
10EG7		TRI	DIS	T9	VDA	RCO	SY	H	9.7	600	330	50	10.0	150	45	7500	6	800	7.0	1.6	88D			

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICDFARADS		EIA BASE NO.						
									V		MA		V		MA		V		MA		E8 V		I8 MA	GM UMHO	MU	RP DHMS	IN	DUT
									V	MA	V	MA	V	MA	V	MA	V	MA										
TRIDDE DUAL DISSIMILAR -CONTINUED-																												
10EW7	S	TRI	DIS	T9	VDA	RCO	SY	H	9.7	600	330	175	10.0	150	45	7500	6	800	7.0	1.2	9HF							
10FD7	S	TRI	DIS	T9	VDA	RCO	#PL	H	9.7	600	330	175	10.0	150	40	7500	6	800	6.5	1.2	9HF							
13FD7		TRI	DIS	T9	VDA	RCD	#PL	H	13.0	450	330	175	10.0	150	40	7500	6	800	6.5	1.2	9HF							
15FY7		TRI	DIS	T9	VDA	RCD	GE	H	14.7	450	275	50	7.0	150	45	7500	6	800	6.5	1.2	12E0							
12AE7		TRI	DIS	T6	AFD		#PL	H	12.6	450	16		1.0	13	2	4000	13	3150	4.7	0.75	9A							
6DN7		TRI	DIS	T9	VDA	RCO	GE	H	6.3	900	550	150	10.0	250	41	7700	15	2000	4.6	1.0	88D							
6FJ7		TRI	DIS	T9	VDA	RCO	GE	H	6.3	900	550	150	10.0	250	41	7700	15	2000	4.0	0.54	128M							
6CS7		TRI	DIS	T6	VDA	RCO	SY	H	6.3	600	500	105	6.5	250	19	4500	16	3450	3.0	0.5	9EF							
8CS7		TRI	DIS	T6	VDA	RCO	SY	H	8.4	450	500	105	6.5	250	19	4500	16	3450	3.0	0.5	9EF							
6CS7		TRI	DIS	T6	OSC	RCO	SY	H	6.3	600	500	70	1.2	250	10	2200	17	7700	1.8	0.5	9EF							
8CS7		TRI	DIS	T6	VDO	RCO	SY	H	8.4	450	500	70	1.2	250	10	2200	17	7700	1.8	0.5	9EF							
12DW7	S	TRI	DIS	T6	VA	RCO	SY	H	12.6	150	330	22	3.3	250	10	2200	17	7700	1.7	0.40	9A							
7247	S	TRI	DIS	T6	CON	RCO	GE	H	12.6	150	330	22	3.0	250	12	2200	17	7700	1.8	0.33	9A							
6DE7	S	TRI	DIS	T6	VDO	RCO	SY	H	6.3	900	330	77	1.5	250	6	2000	18	8750	2.2	0.52	9HF							
6EW7	S	TRI	DIS	T9	VDO	RCO	SY	H	6.3	900	330	77	1.5	250	6	2000	18	8750	2.2	0.4	9HF							
10DE7	S	TRI	DIS	T6	VDO	RCO	SY	H	9.7	600	330	77	1.5	250	6	2000	18	8750	2.2	0.52	9HF							
10EG7		TRI	DIS	T9	VDO	RCO	SY	H	9.7	600	330	22	1.5	250	6	2000	18	8750	2.2	0.6	88D							
10EW7	S	TRI	DIS	T9	VDO	RCO	SY	H	9.7	600	330	77	1.5	250	6	2000	18	8750	2.2	0.4	9HF							
13DE7	S	TRI	DIS	T6	VDO	RCO	SY	H	13.0	450	330	77	1.5	250	6	2000	18	8750	2.2	0.52	9HF							
19DE7		TRI	DIS	T6	VDO	RCO	SY	H	19.4	300	330	77	1.5	250	6	2000	18	8750	2.2	0.52	9HF							
6CM7		TRI	DIS	T6	VDA	RCO	RC	H	6.3	600	500	70	5.5	250	20	4400	18	4100	3.5	0.4	9ES							
8CM7		TRI	DIS	T6	VDA	RCO	GE	H	8.4	450	500	70	5.5	250	20	4400	18	4100	3.5	0.4	9ES							
6CM7		TRI	DIS	T6	VDO	SRC	RC	H	6.3	600	500	70	1.2	200	5	2000	21	10K	2.0	0.5	9ES							
8CM7		TRI	DIS	T6	VDO	SRC	GE	H	8.4	450	500	70	1.2	200	5	2000	21	10K	2.0	0.5	9ES							
6DN7		TRI	DIS	T9	VDO	RCO	GE	H	6.3	900	350		1.0	250	8	2500	22	9000	2.2	0.7	88D							
6FJ7		TRI	DIS	T9	VDO		GE	H	6.3	900	350		1.0	250	8	2500	22	9000	2.2	0.48	128M							
3FW7		TRI	DIS	T3	MIX	SCD	TO	H	3.5	600	150	20		90	7	6000	36	6000	2.6	1.8	8LM							
6FW7		TRI	DIS	T3	MIX	SCD	TO	H	6.3	300	150	20		90	7	6000	36	6000	2.6	1.8	8LM							
3FW7		TRI	DIS	T3	OSC	SRC	TO	H	3.5	600	150	20		90	9	9500	36	3800	3.0	1.4	8LM							
6FW7		TRI	DIS	T3	DSC	SRC	TO	H	6.3	300	150	20		90	9	9500	36	3800	3.0	1.4	8LM							
6JK8		TRI	DIS	T6	OSC	SCD	SY	H	6.3	400	165	22	1.0	100	5	6800	55	8000	5.0	4.0	9AJ							
8JK8		TRI	DIS	T6	OSC	SCD	SY	H	8.4	300	165	22	1.0	100	5	6800	55	8000	5.0	4.0	9AJ							
17JK8		TRI	DIS	T6	OSC	SCD	SY	H	16.8	150	165	22	1.0	100	5	6800	55	8000	5.0	4.0	9AJ							
6FD7	S	TRI	DIS	T9	VDO	SCD	#PL	H	6.3	925	330	70	1.5	250	1	1600	64	40K	2.2	0.40	9HF							
6GF7		TRI	DIS	T9	VDO	SCD	RC	H	6.3	985	330	22	1.5	250	1	1600	64	40K	2.4	0.26	9QD							
10FD7	S	TRI	DIS	T9	VDO	SCD	#PL	H	9.7	600	330	70	1.5	250	1	1600	64	40K	2.2	0.40	9HF							
10GF7		TRI	DIS	T9	VDO	SCD	RC	H	9.7	600	330	22	1.5	250	1	1600	64	40K	2.4	0.26	9QD							
13FD7		TRI	DIS	T9	VDO	SCD	#PL	H	13.0	450	330	70	1.5	250	1	1600	64	40K	2.2	0.40	9HF							
13GF7		TRI	DIS	T9	VDO	SCD	RC	H	13.0	450	330	22	1.5	250	1	1600	64	40K	2.4	0.26	9QD							
6FY7		TRI	DIS	T9	VDO	SCD	GE	H	6.3	1050	330	20	1.0	250	1	1600	65	40K	2.2	0.4	12E0							

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	PA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT		
TRIODE DUAL DISSIMILAR -CONTINUED-																						
15FY7		TRI	OIS	T9	V00	SC0	GE	H	14.7	450	330	20	1.0	250	1	1600	65	40K	2-2	0.4	12E0	
6EA7	S	TRI	OIS	T9	V00	SC0	GE	H	6.3	1050	350		1.0	250	2	1900	65	34K	2-2	0.6	880	
6FM7		TRI	OIS	T9	V00	SC0	GE	H	6.3	1050	350		1.0	250	2	2200	66	30K	2-4	0.4	12EJ	
6GL7	S	TRI	OIS	T9	V00	SC0	GE	H	6.3	1050	350		1.0	250	2	2200	66	30K	2-2	0.6	880	
13FM7		TRI	OIS	T9	V00	SC0	SY	H	13.0	450	350		1.0	250	2	2200	66	30K			12EJ	
15EA7		TRI	OIS	T9	V00	SC0	GE	H	14.8	450	350		1.0	250	2	2200	66	30K	2-2	0.6	880	
15FM7		TRI	OIS	T9	V00	SC0	GE	H	14.8	450	350		1.0	250	2	2200	66	30K			12EJ	
6CY7		TRI	OIS	T6	V00	SC0	GE	H	6.3	750	350		1.0	250	1	1300	68	52K	1.5	0.3	9EF	
8CY7		TRI	OIS	T6	V00	SC0	GE	H	7.9	600	350		1.0	250	1	1300	68	52K	1.5	0.3	9EF	
11CY7		TRI	OIS	T6	V00	SC0	SY	H	11.0	450	350		1.0	250	1	1300	68	52K	1.5	0.3	9EF	
6OR7	S	TRI	OIS	T6	V00	SC0	SY	H	6.3	900	330	70	1.0	250	1	1600	68	40K	2-2	0.34	9HF	
6EM7	S	TRI	OIS	T9	V00	SC0	SY	H	6.3	900	330	77	1.5	250	1	1600	68	40K	2-2	0.6	880	
6FR7		TRI	OIS	T9	V00	SC0	SY	H	6.3	925	330	77	1.5	250	1	1600	68	40K	2.4	0.30	9HF	
10OR7	S	TRI	OIS	T6	V00	SC0	SY	H	9.7	600	330	70	1.0	250	1	1600	68	40K	2-2	0.34	9HF	
10EM7		TRI	OIS	T9	V00	SC0	RC	H	9.7	600	330	77	1.5	250	1	1600	68	40K	2-2	0.6	880	
10FR7		TRI	OIS	T9	V00	SC0	SY	H	9.7	600	330	77	1.5	250	1	1600	68	40K	2.4	0.30	9HF	
13OR7	S	TRI	OIS	T6	V00	SC0	SY	H	13.0	450	330	70	1.0	250	1	1600	68	40K	2-2	0.34	9HF	
13FR7		TRI	OIS	T9	V00	SC0	SY	H	13.0	450	330	77	1.5	250	1	1600	68	40K	2.4	0.30	9HF	
6JK8		TRI	OIS	T6	RFA	SC0	SY	H	6.3	400	200	22	2.0	135	10	13000	70	5400	3.0	1.0	9AJ	
8JK8		TRI	OIS	T6	RFA	SC0	SY	H	8.4	300	200	22	2.0	135	10	13000	70	5400	3.0	1.0	9AJ	
17JK8		TRI	OIS	T6	RFA	SC0	SY	H	16.8	150	200	22	2.0	135	10	13000	70	5400	3.0	1.0	9AJ	
120W7	S	TRI	OIS	T6	VA	SC0	SY	H	12.6	150	330		1.2	250	1	1600	100	62K	1.6	0.44	9A	
7247	S	TRI	OIS	T6	AFR	SC0	GE	H	12.6	150	330		1.2	250	1	1600	100	62K	1.6	0.37	9A	
6EZ8		TRT		T6	GEN	SRC	GE	H	6.3	450	330		2.0	125	4	4200	57	14K	2-4		9KA	
19EZ8		TRT		T6	GEN	SRC	GE	H	18.9	150	330		2.0	125	4	4200	57	14K	2-4		9KA	
6J9		TRT		T6	VHF	SC0	SY	H	6.3	450	330		2.0	125	6	5200	57	11K	2-6	1.3	10G	
7690		TRT		T7	GEN	SRC	#HY	H	6.3	450	330		2.8	250	10	5500	60	11K			128A	
6C10		TRT		T9	GEN		GE	H	6.3	450	330		1.0	250	1	1600	100	62K	1-6		128Q	
6K11	S	TRT		T9	GEN		GE	H	6.3	600	330	20	0.3	250	1	1600	100	62K			128Y	
6Q11	S	TRT		T9	GA	SC0	TS	H	6.3	600	330			250	1	1600	100	62K	1-8		128Y	
7689		TRT		T7	GEN	#HY	H	H	6.3	450	330		1.1	250	1	1600	100	62K			128A	
6B10		TTR	OWO	T9	OSC	RCO	GE	H	6.3	600	330	20	3.0	250	10	2500	18	7200			128F	
8B10		TTR	OWO	T9	OSC	RCO	GE	H	8.5	450	330	20	3.0	250	10	2500	18	7200			128F	
6AG11		TTR	OWO	T9	HF	SC0	GE	H	6.3	750	330		2.0	125	8	7800	66	8500	3-8	0.24	120A	
30AG11		TTR	DWO	T9	HF	SC0	GE	H	30.0	150	330		2.0	125	8	7800	66	8500	3-8	0.24	120A	
6AY11		TTR	OWO	T9	AFR	SC0	GE	H	6.3	690	330		1.0	250	1	1900	100	53K	2.0	0.22	12DA	
6M11		TTR	PNO	T9		SC0	GE	H	6.3	750	330		2.2	125	7	7000	70	10K	3-4	0.8	12CA	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULD	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS						CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT			
TRIODE WITH DIODE																							
1H5GT		TRI	DIO	T9	VA	SCO	#HY	F	1.4	50	110				90	150U	300	65	240K			5Z	
12FK6	S	TRI	DWD	T5	AFA	SCO	RC	H	12.6	150	16				13	1	1200	7	6200	1.8	0.7	78T	
12FM6	S	TRI	DWD	T5	AFA	SCO	RA	H	12.6	150	30	20			13	1	1300	10	7700	2.7	1.7	70T	
12DV7		TRI	DWD	T6	AFA	SCO	SY	H	12.6	150	16	20			13	400U	800	14	19K	1.3	0.38	9JY	
68F6	S	TRI	DWD	T5	AFA	RCO	RC	H	6.3	300	300			2.5	250	10	1900	16	8500	1.8	0.7	78T	
128F6	S	TRI	DWD	T5	VA	RCO	TS	H	12.6	150	300			2.5	250	10	1900	16	8500	1.8	0.7	78T	
26C6	S	TRI	DWD	T5	VA	SCO	RC	H	26.5	70	250			2.5	250	10	1900	16	8500	1.8	1.4	78T	
12AE6A	S	TRI	DWD	T5	AFA	SCO	RA	H	12.6	150	30	20			13	1	1300	17	13K	1.8	1.1	78T	
68J8		TRI	DWD	T6	OSC	RCO	SY	H	6.3	600	330	22		4.0	250	8	2800	20	7150	2.8	0.31	9ER	
12AJ6	S	TRI	DWD	T5	AFA	SCO	TS	H	12.6	150	30	20			13	750U	1200	55	45K	2.2	0.8	78T	
12EL6	S	TRI	DWD	T5	AFA	SCO	SY	H	12.6	150	30	20			13	750U	1200	55	45K	2.2	1.0	7FB	
98R7		TRI	DWD	T6	GEN	SRC	#PL	H	9.4	300	300			2.5	250	10	4000	60	11K	2.6	0.3	9CF	
128R7A		TRI	DWD	T6	GEN	SCO	#PL	H	12.6	225	300			2.5	250	10	4000	60	11K	2.6	0.3	9CF	
6AQ6	S	TRI	DWD	T5	VA	SCO	RC	H	6.3	150	300			0.5	250	1	1200	70	58K	1.8	1.7	78T	
6AT6	S	TRI	DWD	T5	VA	SCO	RC	H	6.3	300	300			0.5	250	1	1200	70	58K	2.2	0.8	78T	
6CN7	S	TRI	DWD	T6	VA	SCO	GE	H	6.3	300	300			1.0	250	1	1200	70	58K	1.5	0.5	9EN	
6FM8		TRI	DWD	T6	AFA	SCO	GE	H	6.3	450	330			1.1	250	1	1200	70	58K	1.5	0.16	9KR	
8CN7		TRI	DWD	T6	VA	SCO	GE	H	8.4	225	300			1.0	250	1	1200	70	58K	1.5	0.5	9EN	
12AT6A	S	TRI	DWD	T5	VA	SCO	SY	H	12.6	150	300			0.5	250	1	1200	70	58K	2.2	0.8	78T	
7K7		TRI	DWD	T9	VA	SCO	RA	H	6.3	300	300			1.0	250	2	1600	70	44K	2.4	2.0	88F	
18GE6A		TRI	DWD	T5	RFA		SY	H	18.0	100	150			0.5	100	1	1700	70	40K	2.4	0.2	78T	
68N8		TRI	DWD	T6	VHF	SCO	SY	H	6.3	600	330			1.7	250	2	2500	70	28K	3.6	0.25	9ER	
88N8		TRI	DWD	T6	VHF	SCO	SY	H	8.4	450	300			1.5	250	2	2500	70	28K	3.6	0.32	9ER	
14GT8A	S	TRI	DWD	T6	VA	SCO	GE	H	14.0	150	330			1.1	250	700U	1000	72	72K	1.6	0.24	9KR	
7724	S	TRI	DWD	T6	VA	SCO	GE	H	14.0	150	330			1.1	250	700U	1000	72	72K	1.6	0.24	9KR	
14JG8	S	TRI	DWD	T6	AFA	SCO	GE	H	14.0	150	330			1.1	250	2	2200	90	41K	1.8	0.22	9KR	
6SQ7GT		TRI	DWD	T9	VA	SCO	#HY	H	6.3	300	300			0.5	250	1	1200	100	85K	4.2	3.4	8Q	
12SQ7GT	S	TRI	DWD	T9	VA	SCO	#HY	H	12.6	150	300			0.5	250	1	1200	100	85K	4.2	3.4	8Q	
3AV6		TRI	DWD	T5	VA	SCO	SY	H	3.2	600	300			0.5	250	1	1600	100	62K	2.2	0.8	78T	
4AV6		TRI	DWD	T5	VA	SCO	RC	H	4.2	450	330			0.6	250	1	1600	100	62K	2.2	0.8	78T	
6AV6	S	TRI	DWD	T5	VA	SCO	#NU	H	6.3	300	330			0.6	250	1	1600	100	62K	2.2	0.8	78T	
18FY6A	S	TRI	DWD	T5	RFA	SRC	SY	H	18.0	100	150			0.5	100	600U	1300	100	77K	2.4	0.22	78T	
12AV6A	S	TRI	DWD	T5	VA	SCO	SY	H	12.6	150	330			0.6	250	1	1600	100	62K	2.2	0.8	78T	
5T8		TRI	TRD	T6	AFA	SCO	GE	H	4.7	600	300			1.0	250	1	1200	70	58K	1.6	1.1	9E	
6T8A	S	TRI	TRD	T6	AFA	SCO	GE	H	6.3	450	300			1.0	250	1	1200	70	58K	1.6	1.1	9E	
6V8	S	TRI	TRD	T6	VA	SCO	#PL	H	6.3	450	300			1.0	250	1	1200	70	58K			9AH	
19T8A	S	TRI	TRD	T6	AFA	SCO	SY	H	18.9	150	300			1.0	250	1	1200	70	58K	1.6	1.1	9E	
19C8		TRI	TRD	T6	VA	SCO	#PL	H	18.9	150	250			1.0	100	500U	1200	100	80K			9E	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILLAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.	
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT		
TRIODE WITH TETRODE																						
12AL8		TRI	TET	T6	DET	SCO	TS	H	12.6	550	30	20		13	500U	1000	13	13K	1.8	0.4	9GS	
120Y8		TRI	TET	T6	GEN	SCO	SY	H	12.6	350	16			13	1	2000	20	10K	2.0	0.38	9JD	
6FH8		TRI	TET	T6	OSC	SCO	RC	H	6.3	450	275		1.7	100	8	5400	40	7400	1.4	2.6	9KP	
5CL8A	S	TRI	TET	T6	OSC	SRC	GE	H	4.7	600	330		2.5	125	14	8000	40	5000	2.8	1.5	9FX	
5CQ8	S	TRI	TET	T6	OSC	SCO	RC	H	4.7	600	300		2.7	125	15	8000	40	5000			9GE	
6CL8A	S	TRI	TET	T6	OSC	SRC	GE	H	6.3	450	330		2.5	125	14	8000	40	5000	2.8	1.5	9FX	
6CQ8	S	TRI	TET	T6	OSC	SCO	RC	H	6.3	450	300		2.7	125	15	8000	40	5000	2.7	1.2	9GE	
9CL8		TRI	TET	T6	OSC	SRC	SY	H	9.5	300	300		2.7	125	15	8000	40	5000	2.7	0.4	9FX	
19CL8B		TRI	TET	T6	OSC	SRC	SY	H	18.9	150	330		2.5	125	14	8000	40	5000	2.8	1.5	9FX	
6JA8		TRI	TET	T6	GEN	SCO	WH	H	6.3	750	300		1.0	200	4	4000	70	17K	2.5	0.4	9QF	
10JA8		TRI	TET	T6	GEN	SCO	WH	H	10.5	450	300		1.0	200	4	4000	70	17K	2.5	0.4	9QF	
TRIODE WITH BEAM TYPE																						
9G88		TRI	BEA	T6	VHF		TA	H	9.4	300	250		2.0	200	10	3400	18		3.7	3.0	9DA	
13GC8		TRI	BEA	T6	VHF		TA	H	13.0	300	250		2.0	200	10	3400	18	5300			9KZ	
16GK8		TRI	BEA	T5	OSC		TA	H	16.0	300	250		1.0	200	10	3400	18				9JE	
17JZ8		TRI	BEA	T9	VOD	SRC	GE	H	16.8	450	250	20		1.0	150	3	1900	22	11K	2.2	0.7	120Z
10JY8		TRI	BEA	T6	CON	SRC	GE	H	10.5	450	330		2.0	125	15	10400	46	4400	4.2	3.2	90X	
56R9		TRI	BEA	T9	VA	SCO	GE	H	14.0	150	150		1.0	100	600U	1800	100	60K	3.4	0.6	12EN	
TRIODE WITH PENTODE																						
6FY8		TRI	PND	T6	VA		#HY	H	6.3	1200	150		1.0	125	2	2000					9EX	
12FY8		TRI	PND	T6	VA		#HY	H	12.6	600	150		1.0	125	2	2000					9EX	
6GJ8		TRI	PND	T6	VA	SRC	SY	H	6.3	600	330		2.5	125	14	8500		5000	3.4	1.6	9AE	
7734	S	TRI	PND	T6	REG	HIP	WH	H	6.3	900	275	175		7.0	150	35	5000	5	1080	5.5	1.3	9LC
6GE8	S	TRI	PND	T6	REG	HIP	WH	H	6.3	900	275	175		7.0	150	35	5000	5	1080	5.5	1.3	9LC

CHARACTERISTIC LISTING - CC-CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.			
									V	MA	V	MA	W	E8 V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	CUT					
TRIODE WITH PENTODE -CONTINUED-																									
7199	S	TRI	PND	T6	HF	SRC	RC	H	6.3	450	330		2.4	215		9	2100	17	8100	2.3		0.3		9JT	
6J88		TRI	PND	T6	AFA	RCO	RA	H	6.3	600	330		2.4	250			2200	17	7700					9AE	
68H3	S	TRI	PND	T6	GEN	SRC	GE	H	6.3	600	300		2.5	150		10	3300	17	5150	2.6		0.38		9DX	
88H8	S	TRI	PND	T6	GEN	SRC	GE	H	8.4	450	300		2.5	150		10	3300	17	5150	2.6		0.38		9DX	
4FS7		TRI	PND	T5	RFA	SCO	MU	H	4.6	600	125	15	1.5	100		14	5500	17		2.4		1.1		9MP	
5HG8		TRI	PND	T6	VHF	SCO	SY	H	5.3	450	125	17	1.9	100		14	5500	17	3100	2.4		1.1		9MP	
6HG8		TRI	PND	T6	OSC	SCO	MU	H	6.3	340	125	15	1.5	100		14	6000	17						9MP	
7HG8		TRI	PND	T6	OSC	SCO	MU	H	7.2	300	125	15	1.5	100		14	6000	17						9MP	
8HG8		TRI	PND	T6	OSC	SCO	MU	H	8.0	300	125	15	1.5	100		14	6000	17						9MP	
7687	S+	TRI	PND	T6	AFA	RCO	SY	H	6.3	500	330		2.4	215		8	2500	18	7200	2.2		0.3		9AE	
6BA8A	S	TRI	PND	T6	VA	SRC	SY	H	6.3	600	300		2.0	200		8	2700	18	6700	2.5		0.4		9DX	
8BA8A	S	TRI	PND	T6	VA	SRC	RA	H	8.4	450	300		2.0	200		8	2700	18	6700	2.5		0.4		9DX	
7643	+	TRI	PND	T6	OSC	RCO	AM	H	6.3	330	275	18	1.8	100		14	5000	18						9AE	
5AN8	S	TRI	PND	T6	GEN	RCO	SY	H	4.7	600	300		2.6	200		13	3300	19	5750	2.0		0.27		9DA	
5AV8	S	TRI	PND	T6	GEN	RCO	SY	H	4.7	600	300		2.5	200		13	3300	19	5750	2.0		0.27		9DZ	
588	S	TRI	PND	T6	GEN	RCO	SY	H	4.7	600	300		2.5	200		13	3300	19	5750	1.9		1.4		9EC	
6AN8	S	TRI	PND	T6	GEN	RCO	RC	H	6.3	450	300		2.6	200		13	3300	19	5750	2.0		0.27		9DA	
6AZ8	S	TRI	PND	T6	OSC	RCO	RC	H	6.3	450	300		2.5	200		13	3300	19	5750	2.0		1.7		9ED	
6CH8	S	TRI	PND	T6	GEN	RCO	RC	H	6.3	450	300		2.6	200		13	3300	19	5750	1.9		1.6		9FT	
6CU8	S	TRI	PND	T6	GEN	RCO	RC	H	6.3	450	300		2.6	200		13	3300	19	5750	1.9		1.6		9CM	
4BL8		TRI	PND	T6	CON		RE	H	4.6	600	550		1.5	100		14	5000	20		2.5		1.8		9DC	
6BL8	S	TRI	PND	T6	CON	SCO	TS	H	6.3	450	250	14	1.5	100		14	5000	20		2.5		1.8		9DC	
9A8	S	TRI	PND	T6	GEN	SCO	RE	H	9.0	300	250	14	1.5	100		14	5000	20		2.5		1.8		9DA	
7258	S	TRI	PND	T6	OSC	SRC	SY	H	13.5	210	330		2.8	150		15	4500	21	4700	2.0		0.26		9DA	
6JZ8		TRI	PND	T9	VOD	SRC	GE	H	6.3	1200	250	20	1.0	150		33	1900	22	11K	2.2		0.7		12DZ	
12EC8		TRI	PND	T6	OSC	SCO	SY	H	12.6	225	16					13	2	4700	25	6000	2.6		0.4		9FA
6CX8	S	TRI	PND	T6	GEN	SCO	GE	H	6.3	750	330		2.0	150		9	4600	40	8700	2.2		0.38		9DX	
8CX8		TRI	PND	T6	GEN	SCO	GE	H	8.0	600	330		2.0	150		9	4600	40	8700	2.2		0.38		9DX	
6AU8A	S	TRI	PND	T6	GEN	SCO	GE	H	6.3	600	300		2.5	150		9	4900	40	8200	2.6		0.34		9DX	
8AU8A	S	TRI	PND	T6	GEN	SCO	SY	H	8.4	450	300		2.5	150		9	4900	40	8200	2.6		0.34		9DX	
12AU8	S	TRI	PND	T6	GEN		TS	H	12.6	300	300		2.5	150		9	4900	40	8200	2.6		0.34		9DX	
12CT8	S	TRI	PND	T6	VHF	SCO	GE	H	12.6	300	300		2.5	150		9	4900	40	8200	2.4		0.19		9DA	
7060	S	TRI	PND	T6	VA	SCO	RC	H	13.5	280	300		2.5	150		9	4900	40	8200	2.4		0.22		9DA	
5AT8	S	TRI	PND	T6	OSC	SRC	RC	H	4.7	600	250		1.5	100		8	5800	40	6900	2.0		0.5		9DW	
5CG8	S	TRI	PND	T6	OSC	SRC	RC	H	4.7	600	250		1.5	100		8	5800	40	6900	2.0		0.5		9GF	
5X8	S	TRI	PND	T6	OSC	SRC	SY	H	4.7	600	250		1.5	100		8	5800	40	6900	2.0		0.5		9AK	
6AT8A	S	TRI	PND	T6	OSC	SRC	RC	H	6.3	450	250		1.5	100		8	5800	40	6900	2.0		0.5		9DW	
6CG8A	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	250		1.5	100		8	5800	40	6900	2.6		0.05		9GF	
6X8A	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	250		1.5	100		8	5800	40	6900	2.0		0.5		9AK	
19X8		TRI	PND	T6	OSC	SRC	RC	H	18.9	150	250		1.5	100		8	5800	40	6900	2.0		0.5		9AK	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	E8 V	18 MA	GM UMHO	MU	RP OHMS	IN	OUT		
TRIODE WITH PENTODE -CONTINUED-																						
6JC8		TRI	PND	T6	OSC	SCO	SY	H	6.3	450	275		1.7	125	12	6500	40	6000	2.8	4.4	9PA	
6HL8		TRI	PND	T6	GEN		SY	H	6.3	600	330		2.5	125	13	7000	40	5000	2.8	1.6	9AE	
5EH8	S	TRI	PND	T6	OSC	SRC	SY	H	4.7	600	300		2.5	125	14	7500	40		2.8	1.7	9JG	
5KD8		TRI	PND	T6	OSC	SRC	SY	H	5.6	450	330		2.5	125	14	7500	40		2.8	1.5	9AE	
6EH8		TRI	PND	T6	OSC	SRC	SY	H	6.3	450	300		2.5	125	14	7500	40		2.8	1.7	9JG	
6KD8		TRI	PND	T6	OSC	SRC	SY	H	6.3	400	330		2.5	125	14	7500	40		2.8	1.5	9AE	
5FV8	S	TRI	PND	T6	VDO	SRC	SY	H	4.7	600	330	70	2.0	125	14	8000	40	5000	2.8	1.5	9FA	
5KE8	+	TRI	PND	T6	OSC	SRC	RC	H	5.6	450	280	20		125	13	8000	40	5000	2.4	2.0	9DC	
6KE8	+	TRI	PND	T6	OSC	SRC	RC	H	6.3	400	280	20		125	13	8000	40	5000	2.4	2.0	9DC	
19Q9	S	TRI	PND	T6	AFA	SRC	SY	H	18.9	150	330		2.5	125	14	8000	40	5000	3.2	1.1	10H	
5BE8	S	TRI	PND	T6	OSC	SRC	SY	H	4.7	600	300		2.5	150	18	8500	40	5000	2.8	1.5	9EG	
5BR8A	S	TRI	PND	T6	OSC	SRC	TS	H	4.7	600	300		2.7	150	18	8500	40	5000			9FA	
5EA8	S	TRI	PND	T6	OSC	SRC	GE	H	4.7	600	330		3.0	150	18	8500	40	5000	3.0	0.3	9AE	
5EU8	S	TRI	PND	T6	OSC	SRC	RA	H	4.7	600	330		3.0	150	18	8500	40	5000	3.0	1.6	9JF	
5U8	S	TRI	PND	T6	OSC	SRC	GE	H	4.7	600	300		2.7	150	18	8500	40	5000	2.5	0.4	9AE	
6AX8		TRI	PND	T6	VA	SRC	#PL	H	6.3	450	300		2.7	150	18	8500	40	5000	2.5	1.0	9AE	
6BE8	S	TRI	PND	T6	OSC	SRC	SY	H	6.3	450	300		2.5	150	18	8500	40	5000	2.8	1.5	9EG	
6BR8A	S	TRI	PND	T6	OSC	SRC	SY	H	6.3	450	300		2.7	150	18	8500	40	5000			9FA	
6EA8	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	330		3.0	150	18	8500	40	5000	3.0	0.3	9AE	
6EU8	S	TRI	PND	T6	OSC	SRC	RA	H	6.3	450	330		3.0	150	18	8500	40	5000	3.0	1.6	9JF	
6U8A	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	300		2.7	150	18	8500	40	5000	2.5	0.4	9AE	
9U8A		TRI	PND	T6	OSC	SRC	GE	H	9.4	300	300		2.7	150	18	8500	40	5000	2.5	0.4	9AE	
9EA8	S	TRI	PND	T6	OSC	SRC	GE	H	9.5	300	330		3.0	150	18	8500	40	5000	3.0	0.3	9AE	
19EA8A		TRI	PND	T6	OSC	SRC	SY	H	18.9	150	330		3.0	150	18	8500	40	5000	3.0	0.3	9AE	
6678	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	330		3.0	150	18	8500	40	5000	2.5	0.4	9AE	
7059	S	TRI	PND	T6	OSC	SRC	RC	H	13.5	195	300		2.5	150	18	8500	40	4700	2.7	0.4	9AE	
7731	S+	TRI	PND	T6	OSC		#HY	H	6.3	450	330		3.0	150	18	8500	40	5000	2.5	0.4	9AE	
5FG7		TRI	PND	T6	OSC	SCO	GE	H	4.7	600	330		2.5	125	13	7500	43	5700	3.0	1.3	9GF	
6FG7		TRI	PND	T6	OSC	SCO	GE	H	6.3	450	330		2.5	125	13	7500	43	5700	3.0	1.3	9GF	
6FV8A	S	TRI	PND	T6	VDO	SRC	WH	H	6.3	450	330	70	2.0	125	12	8000	45	5600	2.8	1.5	9FA	
25FY8		TRI	PND	T6	VA	SCO	#HY	H	25.0	300	150		1.0	125	3	2700	46	17K			9EX	
50FY8		TRI	PND	T6	VA		#HY	H	50.0	150	150		1.0	125	3	2700	46	17K			9EX	
5GH8	S	TRI	PND	T6	VA	SRC	GE	H	4.7	600	330		2.5	125	14	8500	46	5400	3.4	0.3	9AE	
6GH8	S	TRI	PND	T6	VA	SRC	GE	H	6.3	450	330		2.5	125	14	8500	46	5400	3.4	0.3	9AE	
6GH8A		TRI	PND	T6	VA	SRC	RC	H	6.3	450	330		2.5	125	14	8500	46	5400	3.0	1.4	9AE	
6JN8	S	TRI	PND	T6	OSC	SRC	GE	H	6.3	450	300		2.5	125	14	8500	46	5400	3.2	2.2	9FA	
19JN8	S	TRI	PND	T6	OSC	SRC	GE	H	18.9	150	300		2.5	125	14	8500	46	5400	3.2	2.2	9FA	
19KG8	S	TRI	PND	T6	OSC	SRC	GE	H	18.9	150	300		2.5	125	14	8500	46	5400	3.2	2.2	9LY	
8102		TRI	PND	T6	GEN	SCO	GE	H	13.5	230	330		2.5	125	14	8500	46	5400	3.6	2.0	9PJ	
6GD7		TRI	PND	T6	OSC	SCO	SY	H	6.3	380	125	16	2.2	125	15	10000	47	4700	3.0	1.2	9GF	

CHARACTERISTIC LISTING - CCNTINUED

TUBE TYPE NUM#ER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS		TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	
TRIODE WITH PENTODE -CONTINUED-																				
6GV8		TRI	PND	T6	VA		AM	H	6.3	900	250	15	0.5	100	5	6500	50	7600		9LY
9GV8		TRI	PND	T6	VA		AM	H	9.5	600	250	15	0.5	100	5	6500	50	7600		9LY
5DH8		TRI	PND	T6	GEN	SRC	GE	H	5.2	600	300	30	2.0	250	7	4400	53	12K	2.4	9EG
10C8	S	TRI	PND	T6	GEN	SRC	GE	H	10.5	300	300	35	2.0	250	7	4400	53	12K	2.4	9DA
6DX8	S	TRI	PND	T6	PA	SCD	RE	H	6.3	720	300	12	1.0	200	3	4000	65			9HX
10DX8	S	TRI	PND	T6	PA	SCD	AM	H	10.2	450	300	12	1.0	200	3	4000	65			9HX
6HC8		TRI	PND	T9	VDO	SCD	SY	H	6.3	1200	330		1.0	250	1	2000	68	34K	3.0	9EX
17HC8		TRI	PND	T9	VDO	SCD	SY	H	16.8	450	330		1.0	250	1	2000	68	34K	3.0	9EX
19HV8		TRI	PND	T6	IFA	SCD	GE	H	18.9	150	330		0.6	100	800U	1300	70	54K	1.7	9FA
6AW8A	S	TRI	PND	T6	VA	SCD	SY	H	6.3	600	300		1.0	200	4	4000	70	18K	3.2	9DX
6HF8	S	TRI	PND	T6	GEN	SRC	RC	H	6.3	750	330		1.0	200	4	4000	70	18K	2.8	9DX
6HZ8		TRI	PND	T9	OSC	SCD	PL	H	6.3	1125	300		1.0	200	4	4000	70	18K	3.8	9DX
6JV8	S	TRI	PND	T6	IFA	SCD	TS	H	6.3	600	330		1.1	200	4	4000	70	18K	3.0	9DX
6KA8		TRI	PND	T6	IFA	SCD	RC	H	6.3	600	300		1.1	200	4	4000	70	18K		9PV
6KS8	S	TRI	PND	T6	GEN	SCD	SY	H	6.3	833	330		1.1	200	4	4000	70	18K	3.2	9DX
8AW8A	S	TRI	PND	T6	VA	SCD	SY	H	8.4	450	300		1.0	200	4	4000	70	18K	3.2	9DX
8KA8		TRI	PND	T6	IFA	SCD	RC	H	8.4	450	300		1.1	200	4	4000	70	18K		9PV
8KS8	S	TRI	PND	T6	GEN	SCD	SY	H	8.4	450	330		1.1	200	4	4000	70	18K	3.2	9DX
9JV8		TRI	PND	T6	IFA	SCD	TS	H	9.5	600	330		1.1	200	4	4000	70	18K	3.0	9DX
10HF8	S	TRI	PND	T6	GEN	SRC	RC	H	10.5	450	330		1.0	200	4	4000	70	18K	2.8	9DX
6JE8	S	TRI	PND	T6	VA	SCD	*PL	H	6.3	780	300		1.0	200	4	4200	70		2.4	9DX
8JE8		TRI	PND	T6	VA	SCD	*PL	H	8.2	600	300		1.0	200	4	4200	70		2.4	9DX
11JE8		TRI	PND	T6	VA	SCD	*PL	H	10.9	450	300		1.0	200	4	4200	70		2.4	9DX
18H88		TRI	PND	T6	AFA		SY	H	18.0	300	150		0.8	115		3900	74			9ME
35H88		TRI	PND	T6	AFA		SY	H	35.0	150	150		0.8	115		3900	74			9ME
18DZ8		TRI	PND	T6	AFA	SCD	SD	H	18.0	300	150	5	0.8	120	800U	1400	100			9EX
35DZ8		TRI	PND	T6	AFA	SCD	SD	H	35.0	150	150	5	0.8	120	800U	1400	100			9EX
6GW8	S	TRI	PND	T6	AFA	SCD	AM	H	6.3	700	300	8	0.5	250	1	1600	100		2.0	9LZ
5CM8	S	TRI	PND	T6	GEN	SCD	SY	H	4.7	600	300		1.0	250	2	2000	100		1.6	9FZ
6CM8	S	TRI	PND	T6	GEN	SCD	SY	H	6.3	450	300		1.0	250	2	2000	100		1.6	9FZ
6E88	S	TRI	PND	T6	VA	SCD	SY	H	6.3	750	330		1.0	250	2	2700	100		2.4	9DX
6GN8	S	TRI	PND	T6	VA	SCD	SY	H	6.3	750	330		1.0	250	2	2700	100		2.4	9DX
6JT8		TRI	PND	T9	VA	SCD	SY	H	6.3	725	330		1.0	250	2	2700	100		1.7	9DX
8E88	S	TRI	PND	T6	VA	SCD	SY	H	8.0	600	330		1.0	250	2	2700	100		2.4	9DX
8GN8	S	TRI	PND	T6	VA	SCD	SY	H	8.0	600	330		1.0	250	2	2700	100		2.4	9DX
8JT8		TRI	PND	T9	VA	SCD	SY	H	7.7	600	330		1.0	250	2	2700	100		1.7	9DX
10GN8	S	TRI	PND	T6	VA	SCD	TS	H	10.5	450	330		1.0	250	2	2700	100		2.4	9DX
10JT8	S	TRI	PND	T9	VA	SCD	SY	H	10.2	450	330		1.0	250	2	2700	100		1.7	9DX
6KT8		TRI	PND	T6	VA	SCD	SY	H	6.3	600	330		1.0	250	2	3200	100		3.2	9QP
7716		TRI	PND	T6	OSC	SCD	GE	H	13.6	350	330		1.0	125	2	2900	102		2.4	9DX

CHARACTERISTIC LISTING - CCNTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	E8 V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT		
TRIODE WITH PENTODE -CONTINUED-																						
6BA11		TRI	TWP	T9	V00	RCD	TS	H	6.3	300	300	20	1.5	250	5	1800	18		2.0	1.9	12ER	
6AF11		TOI	PNO	T9	CON	SCO	GE	H	6.3	600	330		2.0	200	9	4400	41	9400			120P	
6AS11		TOI	PNO	T9	CON	SCO	GE	H	6.3	1050	330		2.0	200	9	4400	41	9400	2.4	3.8	120P	
6BD11		TOI	PNO	T9	CON	SCO	GE	H	6.3	1050	330		2.0	200	9	4400	41	9400	2.4	3.8	120P	
15AF11		TOI	PND	T9	CON	SCO	GE	H	14.7	450	330		2.0	200	9	4400	41	9400			120P	
6AF11		TOI	PND	T9		SCO	GE	H	6.3	600	330		1.1	200	7	5500	68	12K			120P	
6AS11		TOI	PNO	T9	IFA	SCO	GE	H	6.3	1050	330		1.5	200	7	5500	68	12K	3.0	2.2	120P	
6BD11		TOI	PND	T9	GEN	SCO	GE	H	6.3	1050	330		1.5	200	7	5500	68	12K	3.0	2.2	120P	
15AF11		TOI	PNO	T9		SCO	GE	H	14.7	450	330		1.1	200	7	5500	68	12K			120P	
12FR8		TRI	PDO	T6	AFA	SCO	TS	H	12.6	320	16			13	1	1200	10		2.6	2.0	9KU	
TRIODE WITH HEXODE																						
12K8GT		TRI	HEX	T9	OSC		SY	H	12.6	150	125		0.8	100	4				6.5	3.4	8K	
TRIODE WITH PENTAGRID																						
2G21	S	TRI	PTG	T3X2	OSC		RA	F	1.2	50	45	2		22	1				3.8	3.7	FL	
2G22	S	TRI	PTG	T3X2	OSC		RA	F	1.2	50	45	2		22	1				3.8	3.7	FL	
12FX8		TRI	PTG	T6	RFA	SCO	TS	H	12.6	300	16			13	1	1400	10		2.2	0.48	9KV	
6DS8		TRI	PTG	T6	VA		RE	H	6.3	300	250	6	0.8	25	2	2200	20				9CA	
3AJ8		TRI	PTG	T6	GEN		RE	H	3.6	600	550	6	0.8	100	14	3700	22		2.6	2.1	9CA	
TETRODE SINGLE																						
5800		TET	SIN	T3	EL		VI	F	1.2	10	50	500U			18U		8				FL	
7851..		TET	SIN	T5	EL	SCO	TS	H	2.5	200	12			11	16U	4000		2M	2.6	1.8	7GE	
2CY5	S	TET	SIN	T5	VHF	SCO	WH	H	2.4	600	180	20	2.0	125	10	8000		100K	4.5	3.0	7EW	
2FV6	S	TET	SIN	T5	VHF	SCO	RC	H	2.4	600	275	20	2.0	125	10	8000		100K	4.5	3.0	7FQ	
3CY5	S	TET	SIN	T5	VHF	SCO	WH	H	2.9	450	180	20	2.0	125	10	8000		100K	4.5	3.0	7EW	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.		
									V	MA	V	MA	W	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS		IN	OUT
TETRODE SINGLE -CONTINUED-																								
4CY5		TET	SIN	T5	VHF	SCD	WH	H	4.5	300	180	20	2.0	125	10	8000					100K	4.5	3.0	7EW
6CY5	S	TET	SIN	T5	VHF	SCD	WH	H	6.3	200	180	20	2.0	125	10	8000					100K	4.5	3.0	7EW
6FV6		TET	SIN	T5	RFA	SCD	RC	H	6.3	200	300	20	2.0	125	10	8000					100K	4.5	3.0	7FQ
7167	S	TET	SIN	T5	VHF	SCD	WH	H	13.5	90	180	20	2.0	125	10	8000					125K	4.4	2.74	7EW
7717	S	TET	SIN	T5	VHF	SCD	GE	H	6.3	200	180	20	2.0	125	10	8000					125K	4.5	3.0	7EW
3EA5	S	TET	SIN	T5	VHF	SCD	#PL	H	3.0	450	250	20	3.2	250	10	8000					150K	3.8	2.3	7EW
6EA5	S	TET	SIN	T5	VHF	SCD	#PL	H	6.3	200	250	20	3.2	250	10	8000					150K	3.8	2.3	7EW
2EV5	S	TET	SIN	T5	VHF	SCD	WH	H	2.4	600	275	20	3.2	250	12	8800					150K	4.5	2.9	7EW
3EV5	S	TET	SIN	T5	VHF	SCD	WH	H	2.9	450	275	20	3.2	250	12	8800					150K	4.5	2.9	7EW
6EV5		TET	SIN	T5	VHF	SCD	WH	H	6.3	200	275	20	3.2	250	12	8800					150K	4.5	2.9	7EW
7587	+	TET	SIN	MT4	GEN	SRC	RC	H	6.3	150	330	20	2.2	125	10	10600					200K	6.5	1.4	12AS
12K5		TET	SIN	T5	PA		TS	H	12.6	400	30			13	40	15000					480			7FO
TETRODE TWIN																								
CK510AX		TET	TWN	T3X2	AFA	SCD	RA	F	0.6	50	45			30	50U	50					600K	2.4	2.1	FL
5885		TET	TWN	T3	EL		RA	F	1.2	20	22	300U		14	185U	200								
6907		TET	TWN	T14	VHF	RCD	AM	H	12.6	650	750	82	12.5	300	50	2500						6.5	2.5	
7983		TET	TWN	T6	GEN	RCD	AM	H	3.2	1650	300	65	7.0	250	45	3000						6.8	3.2	9PS
5656		TET	TWN	T6	VHF	SRC	RA	H	6.3	400	250	20	3.0	150	16	5800					60K	3.6	1.5	9F
6939		TET	TWN	T6	VHF	SCD	AM	H	12.6	300	275	45	3.0	200	16	7500						6.4	1.6	
6C9		TET	TWN	T6	VHF	SCD	SY	H	6.3	400	250	20	1.5	125	10	8000					100K			10F
17C9A		TET	TWN	T6	VHF	SCD	SY	H	16.8	150	250	20	1.5	125	10	8000					100K			10F
TETRODE WITH O100E																								
6FA7		TET	D10	T6		SCD	RC	H	6.3	300	330		1.5	100	4	3200					90K		1.8	9MR
6KM8		TET	D10	T6	HF	SRC	RC	H	6.3	300	330		1.0	100	4	3400					30K			9QG
12EM6		TET	D10	T6	PA		RA	H	12.6	500	30	10	0.5	13	6	5000					4000			9HV
12J8		TET	DW0	T6	PA	SCD	SY	H	12.6	325	30			13	12	5500					6000	10.5	4.4	9GC
12DU7		TET	DW0	T6	PA	SCD	SY	H	12.6	275	16			13	12	6200					6000	11.0	3.6	9JX

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.	
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICO FARADS	IN		OUT
TETRODE WITH ODIODE -CONTINUED-																						
12DV8		TET	DWD	T6	AFO		GE	H	12.6	375	16			13	9	8500		900	9.0	1.0	9HR	
12DL8	S	TET	DWD	T6	PA	SRC	TS	H	12.6	550	30			13	40	15000		480	12.0	1.3	9HR	
12D57A	S	TET	DWD	T6	AFA	SCO	RC	H	12.6	400	16			13	40	15000		480	13.0	2.0	9JU	
TETRODE WITH TRIODE																						
6FH8		TET	TRI	T6	VA	SCO	RC	H	6.3	450	275			250	7	4400		750K	4.5	1.4	9KP	
5CQ8	S	TET	TRI	T6	MIX	SCO	RC	H	4.7	600	300		2.8	125	12	5800		140K			9GE	
6CQ8	S	TET	TRI	T6	MIX	SCO	RC	H	6.3	450	300		2.8	125	12	5800		140K	5.0	3.3	9GE	
9CL8		TET	TRI	T6	MIX	SRC	SY	H	9.5	300	300		2.8	125	12	5800		100K	5.0	2.0	9FX	
12DY8		TET	TRI	T6	ONA	SRC	SY	H	12.6	350	16			13	14	6000		5000	11.0	3.0	9JO	
5CL8A	S	TET	TRI	T6	MIX	SRC	GE	H	4.7	600	330		3.0	125	12	6500		200K	5.0	2.0	9FX	
6CL8A	S	TET	TRI	T6	MIX	SRC	GE	H	6.3	450	330		3.0	125	12	6500		200K	5.0	2.0	9FX	
19CL88		TET	TRI	T6	MIX	SRC	SY	H	18.9	150	330		3.0	125	12	6500		200K	5.0	2.0	9FX	
6JA8		TET	TRI	T6	IFA	SCO	WH	H	6.3	750	330		5.0	200	18	14000		7000	11.0	4.8	9QF	
10JA8		TET	TRI	T6	IFA	SCO	WH	H	10.5	450	330		5.0	200	18	14000		7000	11.0	4.8	9QF	
12AL8		TET	TRI	T6	PA	SRC	TS	H	12.6	550	30			13	40	15000		480	13.0	1.6	9CS	
8EAM SINGLE																						
68U5		8EA	SIN	T12	REG	SCO	GE	H	6.3	150	20K	2	20.0	20K	1				3.0	0.9	9NH	
6G85		8EA	SIN	T9	PA	SRC	AM	H	6.3	1380	275	275	6.0	75	440						9NH	
13G85		8EA	SIN	T9	PA	SRC	AM	H	13.3	600	275	275	6.0	75	440						9NH	
25GF6		8EA	SIN	T10	PA		TA	H	25.0	300	400	160	10.0								6AM	
27G85		8EA	SIN	T9	PA	SRC	AM	H	27.0	300	275	275	6.0	75	440						9NH	
28G85		8EA	SIN	T9	PA	SRC	AM	H	28.0	300	275	275	6.0	75	440						9NH	
5933	S+	8EA	SIN	T12	PA	RCD	SY	H	6.3	900	600		25.0	600	36				12.0	7.0	5AM	
68Q4A		8EA	SIN	T12	REG	SRC	RC	H	6.3	600	27K	2	25.0		1	100	2K		3.8	0.4	8FU	
68K4		8EA	SIN	T12	REG	SRC	RC	H	6.3	200	27K	2	25.0		1	200	2K		2.6	1.0	8GC	
6792		8EA	SIN	T12	REG	RCD	+HY	H	6.3	450	25K	10	25.0	25K	1	200		10M	4.0	4.0	8GL	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS			MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V		MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT		
									V	MA	V	MA	W	V	MA	W	V	MA	W	IN	OUT		
7763	+	BEA	SIN	T6	IFA		GE	H	6.3	300	330	12	0.8	100	4	1000				2.2		9NF	
6397		BEA	SIN	T3	PA	SRC	RA	F	2.5	62	135	14	1.5	125	7	2000				2.6	2.15	6CL	
3LF4		BEA	SIN	T9	PA	SRC	SY	F	2.8	50	110	12		110	8	2000		110K				68B	
6195		BEA	SIN	T3	PA	SRC	RA	F	1.2	220	125	9				2100		120K				6CL	
3Q5G		BEA	SIN	T9	PA	SRC	SY	F	2.8	50	110	12		90	10	2200		90K	8.0	6.5		7AP	
6K6GT	S	BEA	SIN	T9	PA	RCO	*HY	H	6.3	450	315		8.5	250	33	2300		90K	3.5	6.0		7S	
3D6	S	BEA	SIN	T9	PA	SRC	SY	F	2.8	110	180	30	4.5	150	10	2400			7.5	5.5		68A	
5686	S*	BEA	SIN	T6	PA	RCO	RA	H	6.3	350	250	40	7.5	250	27	3100		45K	6.4	4.0		9G	
2E26	S	BEA	SIN	T9	PA	RCO	RC	H	6.3	800	600	75	17.0	250	42	3500			12.5	7.0		7CK	
6893	S	BEA	SIN	T9	PA	RCO	RC	H	12.6	400	600	75	17.0	250	42	3500			12.5	7.0		7CK	
6945	+	BEA	SIN	T3	AFA	RCO	SY	H	6.3	350	250		3.0	100	25	3500		20K	5.0	5.5		8DE	
7701		BEA	SIN	T6	PA	SRC	GE	H	13.6	160	350	45	9.0	250	28	3600		31K	7.0	3.6		9MS	
2E30		BEA	SIN	T5	PA	RCO	TS	F	6.0	650	250		10.0	250	44	3700		63K	9.5	6.6		7CQ	
5992	S+	BEA	SIN	T9	PA	RCO	BE	H	6.3	600	300		12.0	250	47	4000		45K				7S	
7757	+	BEA	SIN	T6	PA	RCO	BE	H	6.3	600	3K	75	14.0	250	45	4100						9NE	
5CM6	S	BEA	SIN	T6	PA	RCO	SY	H	4.7	600	315		12.0	250	47	4100		50K	8.0	8.5		9CK	
5V6GT	S	BEA	SIN	T9	PA	RCO	GE	H	4.7	600	315		12.0	250	47	4100		50K	9.0	7.5		7S	
6CM6	S	BEA	SIN	T6	PA	RCO	SY	H	6.3	450	315		12.0	250	47	4100		50K	8.0	8.5		9CK	
6EZ5	S	BEA	SIN	T9	VDA	RCO	GE	H	6.3	800	350	75	12.0	250	43	4100		50K	9.0	7.0		7S	
6HE5		BEA	SIN	T9	VDA	RCO	GE	H	6.3	800	350	75	12.0	250	43	4100		50K	9.5	7.0		12EY	
6V6GT	S	BEA	SIN	T9	PA	RCO	*HY	H	6.3	450	315		12.0	250	47	4100		50K	9.0	7.5		7S	
12AB5	S	BEA	SIN	T6	PA	RCO	TS	H	12.6	200	315		12.0	250	47	4100		50K	8.0	8.5		9EU	
6224	S	BEA	SIN	T6	PA	RCO	SY	H	12.6	225	315		12.0	250	47	4100		50K	8.0	8.5		9CK	
12V6GT	S	BEA	SIN	T9	PA	RCO	TS	H	12.6	225	315		12.0	250	47	4100		50K	9.0	7.5		7S	
7408	S	BEA	SIN	T9	PA	RCO	WH	H	6.3	450	350		14.0	250	47	4100		50K	9.0	7.5		7S	
7500	+	BEA	SIN	T6	PA	SRC	ST	H	6.3	450	350		13.2	250	45	4100		50K	8.3	7.0		9AH	
5AQ5		BEA	SIN	T5	PA	RCO	GE	H	4.7	600	250		12.0	250	47	4100		52K	8.0	8.5		7BZ	
6AQ5	S	BEA	SIN	T5	PA	RCO	TS	H	6.3	450	250		12.0	250	47	4100		52K	8.0	8.5		7BZ	
7C5		BEA	SIN	T9	PA	RCO	RA	H	6.3	450	315		12.0	250	47	4100		52K				6AA	
12AQ5		BEA	SIN	T5	PA	RCO	RC	H	12.6	225	250		12.0	250	47	4100		52K	8.0	8.5		7BZ	
6005	S+	BEA	SIN	T5	PA	RCO	GE	H	6.3	450	275		11.0	250	47	4100		52K	8.3	7.5		7BZ	
6669	S	BEA	SIN	T5	PA	RCO	GE	H	6.3	450	250		12.0	250	47	4100		52K	8.0	8.5		7BZ	
6224	S+	BEA	SIN	T3	PA	RCO	SO	H	6.3	450	165	50	5.0	110	30	4200		10K	6.5	7.5		8DE	
5902WA	S*	BEA	SIN	T3	PA	RCO	SY	H	6.3	450	165	50	4.0	110	30	4200		15K	6.5	4.5		8DE	
7762	S+	BEA	SIN	T3	AFA	RCO	SY	H	26.5	110	165	50	4.0	110	30	4200		15K	6.5	4.5		8DE	
6094	S+	BEA	SIN	T6	PA	RCO	BE	H	6.3	600	275	60	12.5	250	45	4200		32K	8.5	5.3		9DH	
7061	S	BEA	SIN	T6	PA	RCO	RC	H	13.5	210	345	85	9.0	200	38	4200		60K	8.0	8.5		9EU	
7239		BEA	SIN	T6	REG	SRC	GE	H	6.3	300	2K	40	4.0	300	10	4200		300K	7.0	4.0		9KH	
5A6	S	BEA	SIN	T6	PA	RCO	TS	F	5.0	230	150	40		150	28	4300		9L	8.5	6.0		9L	
7973	S	BEA	SIN	T6	PA	SRC	TA	H	5.0	230	150		5.0	150	28	4300						9L	

BEAM SINGLE
-CONTINUED-

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.
									V	MA	V	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	PICO FARADS	IN	OUT	
8EAM SINGLE -CONTINUED-																							
6EY6		8EA	SIN	T9	VOA	RCO	GE	H	6.3	680	350	180	11.0	250	44	4400			60K	8.5	7.0	7S	
7EY6		8EA	SIN	T9	VDA	RCO	GE	H	7.2	600	350	180	11.0	250	44	4400			60K	8.5	7.0	7S	
6GF5		8EA	SIN	T9	HOA	RCO	GE	H	6.3	1200	770	500	9.0	250	34	4700			260K	16.0	7.5	128J	
1BA5		8EA	SIN	T9	HOA	RCO	GE	H	18.5	300	350	310	9.0	200	40	4800			27K	13.0	7.0	6CK	
5CZ5		8EA	SIN	T6	PA	RCO	RC	H	4.7	600	350		12.0	250	48	4800			73K	6.0	6.0	9HN	
6CZ5	S	8EA	SIN	T6	PA	RCO	RC	H	6.3	450	350	140	12.0	250	48	4800			73K	6.0	6.0	9HN	
6973	S	8EA	SIN	T6	PA	RCO	RC	H	6.3	450	400		12.0	250	46	4800			73K	8.0	8.5	9EU	
6EM5		8EA	SIN	T6	PA	RCO	RC	H	6.3	800	315	210	10.0	250	35	5100			10.0	5.1	9HN		
8EM5		8EA	SIN	T6	PA	RCO	RC	H	8.4	600	315	210	10.0	250	35	5100			10.0	5.1	9HN		
6L6WG8	S+	8EA	SIN	T12	PA	RCO	SY	H	6.3	900	360		19.0	350	66	5200			33K	11.5	9.5	7S	
5932	S+	8EA	SIN	T12	PA	RCO	SY	H	6.3	900	400		21.0	350	66	5200			33K			7S	
7551	S+	8EA	SIN	T6	RFA	RCO	RC	H	13.5	360	300	70	10.0	250	40	5300				10.0	5.5	9LK	
7558	S	8EA	SIN	T6	RFA	RCO	RC	H	6.3	800	300	70	10.0	250	40	5300				10.0	5.5	9LK	
5881	S	8EA	SIN	T11	PA	RCO	TS	H	6.3	900	400		23.0	300	55	5300			35K			7S	
7360		8EA	SIN	T6	CON	SCO	RC	H	6.3	350	300		1.5	150	8	5400						9KS	
6AR6WA	S	8EA	SIN	T11	PA	RCO	WE	H	6.3	1200	565	115	19.0	250	77	5400			21K	11.0	7.0	68Q	
6098	S+	8EA	SIN	T11	PA	RCO	TS	H	6.3	1200	600	125	21.0	250	77	5400			21K	11.0	7.0	68Q	
6DW5	S	8EA	SIN	T6	PA	RCO	SY	H	6.3	1200	330	225	11.0	200	55	5500			15K	14.0	9.0	9CK	
12DW5	S	8EA	SIN	T6	PA	RCO	SY	H	12.6	600	330	225	11.0	200	55	5500			15K	14.0	9.0	9CK	
68Q6GT	S	8EA	SIN	T9	HOA	RCO	*HY	H	6.3	1200	550	400	11.0	250	55	5500			20K	15.0	7.5	6AM	
128Q6GT	S	8EA	SIN	T9	HOA	RCO	SY	H	12.6	600	550	400	11.0	250	55	5500			20K	15.0	7.5	6AM	
178Q6GT	S	8EA	SIN	T9	HOA	RCO	SY	H	16.8	450	550	400	11.0	250	55	5500			20K	15.0	7.5	6AM	
258Q6GT	S	8EA	SIN	T9	VOA	RCO	*PL	H	25.0	300	550	400	11.0	250	55	5500			20K	15.0	7.5	6AM	
32ET5A	S	8EA	SIN	T5	PA	SRC	SY	H	32.0	100	150		5.4	110	30	5500			22K	12.0	6.0	7CV	
6AS5		8EA	SIN	T5	PA	RCO	RC	H	6.3	800	150		5.5	150	36	5600				12.0	6.2	7CV	
6AU5GT		8EA	SIN	T9	PA	RCO	RC	H	6.3	1250	550	400	10.0	115	60	5600		6000		11.3	7.0	6CK	
34GD5A	S	8EA	SIN	T5	PA	SRC	RC	H	34.0	100	150		5.0	110	35	5700				12.0	9.0	7CV	
3585	S	8EA	SIN	T5	PA	RCO	RC	H	35.0	150	117		4.5	110	41	5800				11.0	6.5	78Z	
35C5A	S	8EA	SIN	T5	PA	RCO	SY	H	35.0	150	135		4.5	110	41	5800			13K	12.0	9.0	7CV	
7A5		8EA	SIN	T9	PA	RCO	*PL	H	6.3	750	125		5.5	110	41	5800			14K			6AA	
25F5		8EA	SIN	T5	PA	RCO	SY	H	25.0	150	135		4.5	110	37	5800			16K	12.0	6.0	7CV	
6DS5		8EA	SIN	T5	PA	RCO	RC	H	6.3	800	250		8.0	250	32	5800			28K	9.5	6.3	78Z	
6AV5GA	S	8EA	SIN	T11	HDA	RCO	GE	H	6.3	1200	550	400	11.0	250	57	5900			14K	14.0	7.0	6CK	
6CU6	S	8EA	SIN	T11	HOA	RCO	*HY	H	6.3	1200	600	400	11.0	250	57	5900			14K	15.0	7.0	6AM	
12AV5GA	S	8EA	SIN	T11	HOA	RCO	GE	H	12.6	600	550	440	11.0	250	57	5900			14K	14.0	7.0	6CK	
12CU6	S	8EA	SIN	T11	HOA	RCO	SY	H	12.6	600	600	400	11.0	250	57	5900			14K	15.0	7.0	6AM	
17AV5GA	S	8EA	SIN	T11	HDA	RCO	GE	H	16.8	450	550	400	11.0	250	57	5900			14K	14.0	7.0	6CK	
25AV5GA	S	8EA	SIN	T11	HOA	RCO	GE	H	25.0	300	550	400	11.0	250	57	5900			14K	14.0	7.0	6CK	
25CU6	S	8EA	SIN	T12	HOA	RCO	SY	H	25.0	300	600	400	11.0	250	57	5900			14K	15.0	7.0	6AM	
4604		8EA	SIN	T12	PA	RCO	RC	H	6.3	650	400	150	25.0	200	100	6000				11.0	8.5	7CL	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.	
									V		MA		V	MA	W	EB V	IB MA	GN UMHO	MU	RP OHMS	IN		OUT
									V	MA	V	MA	W	V	MA	W	V	MA	W	IN	OUT		
BEAM SINGLE -CONTINUED-																							
7311	+	8EA	SIN	CM	PA			H	6.3	800	300	100	21.0	250	86	6000			18K	12.9	6.9	9HC	
12CR5		8EA	SIN	T6	HDA	RCO	WH	H	12.6	600	600	400	11.0	250	65	6000			22K	10.0	7.5	8HY	
7027		8EA	SIN	T12	PA	RCO	RC	H	6.3	900	450	400	25.0	250	72	6000			25K	11.0	6.0	5BT	
68G6CA		8EA	SIN	T12	HDA	RCO	GE	H	6.3	900	700	400	20.0	250	75	6000			25K	11.0	6.0	5BT	
198G6G		8EA	SIN	ST16	HOA	RCO	GE	H	18.9	300	700	400	20.0	250	75	6000							
35A5		8EA	SIN	T9	PA	RCO	*PL	H	35.0	150	200		8.5	200	44	6000			40K			6AA	
35L6GT		8EA	SIN	T9	PA	RCO	TS	H	35.0	150	200		8.5	200	43	6100			34K			7S	
60T5		8EA	SIN	T6	VDA	RCO	WH	H	6.3	1200	315	190	9.0	250	38	6200				12.5	4.9	9HN	
120T5		8EA	SIN	T6	VDA	RCO	WH	H	12.6	600	315	190	9.0	250	38	6200				12.5	4.9	9HN	
25F5A		8EA	SIN	T5	PA	SRC	RC	H	25.0	150	150		5.5	110	43	6400			130K	12.0	8.0	7CV	
6CL5	S	8EA	SIN	T12	HDA	RCO	SY	H	6.3	2500	700	840	25.0	175	90	6500			6000	20.0	11.5	800	
6FW5		8EA	SIN	T12	HDA	RCO	GE	H	6.3	1200	770	550	17.5	250	75	6600			20K	17.0	7.0	6CK	
6GC6		8EA	SIN	T12	HOA	RCO	RA	H	6.3	1200	770	550	17.5	250	345	6600			20K	15.0	7.0	8JX	
6GE5		8EA	SIN	T12	HDA	RCO	GE	H	6.3	1200	770	550	17.5	250	75	6600			20K	16.0	7.0	12BJ	
12GC6		8EA	SIN	T12	HDA	RCO	RA	H	12.6	600	770	550	17.5	250	345	6600			20K	15.0	7.0	8JX	
12GE5		8EA	SIN	T12	HDA	RCO	GE	H	12.6	600	770	550	17.5	250	75	6600			20K	16.0	7.0	12BJ	
17GE5		8EA	SIN	T12	HDA	RCO	GE	H	16.8	450	770	550	17.5	250	75	6600			20K	16.0	7.0	12BJ	
7905		8EA	SIN	T6	PA	SCD	RC	H	6.3	650	300	60	10.0	200	36	6700				8.5	5.5	9PB	
5763	S	8EA	SIN	T6	VHF	RCO	RC	H	6.0	750	300	50	12.0	300	50	7000				9.5	4.5	9K	
6146A	S	8EA	SIN	T12	PA	RCO	SY	H	6.3	1250	750	150	25.0	200	100	7000				13.5	8.5	7CK	
6159A	S	8EA	SIN	T12	PA	RCO	SY	H	26.5	300	750	150	25.0	200	100	7000				13.5	8.5	7CK	
6417	S	8EA	SIN	T6	VHF	RCO	RC	H	12.6	375	300	50	12.0	300	50	7000				9.5	4.5	9K	
6883A	S	8EA	SIN	T12	PA	RCO	SY	H	12.6	625	750	150	25.0	200	100	7000				13.5	8.5	7CK	
7212	S+	8EA	SIN	T12	PA	RCO	RC	H	6.3	1250	750	135	25.0	600	100	7000				13.5	8.5	8EC	
7357	S	8EA	SIN	T12	PA	RCO	RC	H	26.5	300	750	135	25.0	600	100	7000				13.5	8.5	8EC	
7358	S+	8EA	SIN	T12	ONA	RCO	RC	H	6.3	1250	4K	3000	10.0	3K	1500				13.0	8.5	8EC		
8032	S	8EA	SIN	T12	PA	RCO	RC	H	13.5	625	400	90	25.0	400	50	7000				13.5	8.5	7CK	
8042		8EA	SIN	T13	OSC	RCO	AM	H	1.6	3200	650	160	25.0	600	150	7000				13.5	8.5	8LJ	
12R5		8EA	SIN	T5	VDA	RCO	SY	H	12.6	600	150	155	4.5	110	40	7000			13K	13.0	9.0	7CV	
17R5		8EA	SIN	T5	VDA	RCO	SY	H	16.8	450	150	155	4.5	110	40	7000			13K	13.0	9.0	7CV	
6GJ5	S	8EA	SIN	T12	HDA	HIP	RC	H	6.3	1200	770	550	17.5	250	70	7100			15K	15.0	6.5	9QK	
6GT5	S	8EA	SIN	T12	PA	HIP	RC	H	6.3	1200	770	550	17.5	250	70	7100			15K	15.0	6.5	9NZ	
6GW6	S	8EA	SIN	T12	PA	RCO	RC	H	6.3	1200	770	550	18.0	250	70	7100			15K	15.0	6.5	6AM	
12GJ5	S	8EA	SIN	T12	HDA	HIP	RC	H	12.6	600	770	550	17.5	250	70	7100			15K	15.0	6.5	9QK	
12GT5	S	8EA	SIN	T12	PA	HIP	RC	H	12.6	600	770	550	17.5	250	70	7100			15K	15.0	6.5	9NZ	
12GW6	S	8EA	SIN	T12	PA	RCO	RC	H	12.6	600	770	550	18.0	250	70	7100			15K	15.0	6.5	6AM	
17GJ5	S	8EA	SIN	T12	HDA	HIP	RC	H	16.8	450	770	550	17.5	250	70	7100			15K	15.0	6.5	9QK	
17GT5	S	8EA	SIN	T12	PA	HIP	RC	H	16.8	450	770	550	17.5	250	70	7100			15K	15.0	6.5	9NZ	
17GW6	S	8EA	SIN	T12	PA	RCO	RC	H	16.8	450	770	550	18.0	250	70	7100			15K	15.0	6.5	6AM	
6Y6GA	S	8EA	SIN	T12	PA	RCO	SY	H	6.3	1250	200		12.5	200	66	7100			18K	12.0	7.5	7S	

CHARACTERISTIC LISTING - CONTINUEO

TUBE TYPE NUMBER	CODE	KINO	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS					TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT			
BEAM SINGLE -CONTINUEO-																							
25C6GA	S	8EA	SIN	T12	PA	RCO	SY	H	25.0	300	200		12.5	135	66	7100		18K				7S	
26E6MG	S+	8EA	SIN	T11	PA	RCO	TS	H	26.5	300	220		12.5	200	66	7100		18K				7S	
50C6GA		8EA	SIN	T12	PA	RCO	RA	H	50.0	300	200		12.5	135	66	7100		18K				7S	
6J86		8EA	SIN	T12	HOA	RCO	RC	H	6.3	1200	770	175	17.5	250	70	7100		150K	15.0	6.0		9QL	
12J86		8EA	SIN	T12	HDA	RCO	RC	H	12.6	600	770	175	17.5	250	70	7100		150K	15.0	6.0		9QL	
17J86		8EA	SIN	T12	HOA	RCO	RC	H	16.8	450	770	175	17.5	250	70	7100		150K	15.0	6.0		9QL	
6293	S	8EA	SIN	T12	PA	RCO	RC	H	6.3	1250	4K	3000	10.0	200	100	7300		13.5	8.5	7CK		7CK	
60Q6B		8EA	SIN	T12	HOA	RCO	GE	H	6.3	1200	770	610	18.0	250	65	7300		18K	15.0	7.0	6AM		
6GV5		8EA	SIN	T12	HOA	RCO	GE	H	6.3	1200	770	175	17.5	250	65	7300		18K	16.0	7.0	12OR		
120Q6B		8EA	SIN	T12	HOA	RCO	GE	H	12.6	600	770	610	18.0	250	65	7300		18K	15.0	7.0	6AM		
12GV5		8EA	SIN	T12	HOA	RCO	RA	H	12.6	600	770	175	17.5	250	65	7300		18K	16.0	7.0	12DR		
170Q6H		8EA	SIN	T12	HOA	RCO	GE	H	16.8	450	770	610	18.0	250	65	7300		18K	15.0	7.0	6AM		
17GV5		8EA	SIN	T12	HOA	RCO	GE	H	16.8	450	770	175	17.5	250	65	7300		18K	16.0	7.0	12DR		
25EC6	S	8EA	SIN	T12	HOA	RCO	GE	H	25.0	600	700	700	10.0	135	70	7500		4700	24.0	10.0	58T		
6CU5		8EA	SIN	T5	PA	RCO	RC	H	6.3	1200	135		6.0	120	50	7500		10K	13.0	8.5	7CV		
12C5	S	8EA	SIN	T5	PA	RCO	WH	H	12.6	600	135		5.5	110	50	7500		10K	13.0	9.0	7CV		
12CU5	S	8EA	SIN	T5	PA	RCO	RC	H	12.6	600	135		6.0	120	50	7500		10K	13.0	8.5	7CV		
17C5		8EA	SIN	T5	PA	RCO	GE	H	16.8	450	135		5.5	110	50	7500		10K	13.0	9.0	7CV		
25C5	S	8EA	SIN	T5	PA	RCO	RA	H	25.0	300	135		5.5	110	50	7500		10K	13.0	6.1	7CV		
50B5	S	8EA	SIN	T5	PA	RCO	RC	H	50.0	150	135		5.5	110	50	7500		10K	13.0	6.5	7BZ		
50C5A	S	8EA	SIN	T5	PA	RCO	SY	H	50.0	150	135		5.5	110	50	7500		10K	13.0	9.0	7CV		
50HK6		8EA	SIN	T5	PA	SRC	GE	H	50.0	150	150		5.5	110	50	7500		10K	14.0	9.0	7FZ		
68F5		8EA	SIN	T5	VOA	RCO	#PL	H	6.3	1200	250	120			39	7500		12K	14.0	6.0	7BZ		
35GL6		8EA	SIN	T5	PA	RCO	GE	H	35.0	150	110		5.5	110	47	7500		12K	14.0	9.5	7FZ		
8156		8EA	SIN	T9	PA	RCO	GE	H	13.5	300	600	100	15.0	200	75	7600			11.0	5.0	12EU		
7355		8EA	SIN	T9	PA	RCO	GE	H	6.3	800	500	100	18.0	250	74	7600		42K	13.0	6.0	8KN		
6C06GA	S	8EA	SIN	T12	HOA	RCO	GE	H	6.3	2500	700	700	20.0	175	75	7700		7200	22.0	8.5	58T		
25C06GA	S	8EA	SIN	T12	HOA	RCO	GE	H	25.0	600	700	700	20.0	175	75	7700		7200	22.0	8.5	58T		
35C06GA		8EA	SIN	T12	HOA	RCO	SY	H	35.0	450	700	700	20.0	175	75	7700		7200	22.0	8.5	58T		
21GV5		8EA	SIN	T12	HOA	RCO	GE	H	21.0	450	770	230	18.0	130	40	7700		14K	22.0	9.0	12OR		
6000		8EA	SIN	T11	PA	RCO	TS	H	26.5	280	600	125	25.0	600	70	8000			15.0	7.0	6CK		
6CS5	S	8EA	SIN	T6	PA	RCO	#HY	H	6.3	1200	300		10.0	200	47	8000		28K	15.0	9.0	9GR		
60B5	S	8EA	SIN	T6	VOA	RCO	#HY	H	6.3	1200	300	200			47	8000		28K	15.0	9.0	9GR		
60G6GT	S	8EA	SIN	T9	PA	RCO	RA	H	6.3	1200	200		10.0	200	47	8000		28K	15.0	10.0	7S		
6GC5		8EA	SIN	T9	PA	RCO	SY	H	6.3	1200	220		12.0	200	47	8000		28K	18.0	7.0	9EU		
6W6GT	S	8EA	SIN	T9	PA	RCO	#HY	H	6.3	1200	300	180	10.0	200	47	8000		28K	15.0	9.0	7S		
12DB5	S	8EA	SIN	T6	VOA	RCO	#HY	H	12.6	600	300	200	10.0	200	47	8000		28K	15.0	9.0	9GR		
12EN6	S	8EA	SIN	T9	PA	RCO	WH	H	12.6	600	300	175	7.0	200	50	8000		28K	14.0	8.0	7S		
12L6GT	S	8EA	SIN	T9	PA	RCO	GE	H	12.6	600	200		10.0	200	47	8000		28K			7S		
12W6GT	S	8EA	SIN	T9	PA	RCO	GE	H	12.6	600	300	180	10.0	200	47	8000		28K	15.0	9.0	7S		

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	K	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
										V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT	
BEAM SINGLE -CONTINUED-																						
17L6GT	S	BEA	SIN	T9	PA	RCO	SY	H	16.8	450	200		10.0	200	47	8000		28K			7S	
17W6GT	S	BEA	SIN	T9	PA	RCO	WH	H	16.8	450	300	180	10.0	200	47	8000		28K	15.0	9.0	7S	
25L6GT	S	BEA	SIN	T9	PA	RCO	#HY	H	25.0	300	200		10.0	200	47	8000		28K			7S	
25W6GT	S	BEA	SIN	T9	PA	RCO	GE	H	25.0	300	300	180	10.0	200	47	8000		28K	15.0	9.0	7S	
50L6GT	S	BEA	SIN	T9	PA	RCO	RC	H	50.0	150	200		10.0	200	47	8000		28K			7S	
6046	S	8EA	SIN	T9	PA	RCO	GE	H	25.0	300	200		10.0	200	47	8000		28K			7S	
50A5	S	8EA	SIN	T9	PA	RCO	SY	H	50.0	150	200		10.0	200	55	8200		35K			6AA	
12ED5		BEA	SIN	T5	PA	SRC	SY	H	12.6	450	150		6.2	125	37	8500		14K	14.0	8.5	7CV	
68K5		8EA	SIN	T6	PA	SRC	GE	H	6.3	1200	250		9.0	250	37	8500		100K	13.0	5.0	98Q	
128K5		8EA	SIN	T6	PA	SRC	GE	H	12.6	600	250		9.0	250	37	8500		100K	13.0	5.0	98Q	
258K5		BEA	SIN	T6	PA	SRC	GE	H	25.0	300	250		9.0	250	37	8500		100K	13.0	5.0	98Q	
508K5		BEA	SIN	T6	PA	SRC	WH	H	50.0	150	250		9.0	250	37	8500		100K	13.0	5.0	98Q	
6CB5A	S	BEA	SIN	T12	HDA	RCO	RC	H	6.3	2500	800	770	23.0	175	90	8800		5000	22.0	10.0	8GD	
6216	+	8EA	SIN	T6	PA	RCO	#HY	H	6.3	1200	300	110	10.0	200	51	8800		39K	12.3	6.7	9CE	
8106		8EA	SIN	T6	AFD	SRC	GE	H	13.5	250	330	40	6.0	300	16	9000			10.0	2.8	9PL	
6DN6		8EA	SIN	T12	HDA	RCO	SY	H	6.3	2500	700	700	15.0	125	70	9000		4000	22.0	11.5	58T	
25DN6		8EA	SIN	T12	HDA	RCO	SY	H	25.0	600	700	700	15.0	125	70	9000		4000	22.0	11.5	58T	
6GV5		8EA	SIN	T12	HDA	RCO	GE	H	6.3	1500	770	230	80.0	130	50	9100		11K	22.0	9.0	12DR	
6H85		BEA	SIN	T12	HDA	RCO	GE	H	6.3	1500	770	3500	18.0	130	50	9100		11K	22.0	9.0	12J8	
6CA5		BEA	SIN	T5	PA	SRC	GE	H	6.3	1200	130		5.0	125	37	9200		15K	15.0	9.0	7CV	
12CA5		BEA	SIN	T5	PA	SRC	GE	H	12.6	600	130		5.0	125	37	9200		15K	15.0	9.0	7CV	
17CA5		BEA	SIN	T5	PA	SRC	SY	H	16.8	450	130		5.0	125	37	9200		15K	15.0	9.0	7CV	
25CA5	S	8EA	SIN	T5	PA	SRC	GE	H	25.0	300	130		5.0	125	37	9200		15K	15.0	9.0	7CV	
50CA5		8EA	SIN	T5	PA	SRC	#HY	H	50.0	150	130		5.0	125	37	9200		15K	15.0	9.0	7CV	
6FE5		8EA	SIN	T9	AFA	RCO	RC	H	6.3	1200	175		14.5	130	88	9500		8000	15.0	9.0	8KB	
50FE5		8EA	SIN	T9	AFA	RCO	RC	H	50.0	150	175		14.5	130	88	9500		8000	15.0	9.0	8KB	
6HD5		BEA	SIN	T12	HDA	RCO	RA	H	6.3	2250	770	280	24.0	135	65	10000		5000			12ES	
21HD5		BEA	SIN	T12	HDA	RCO	RA	H	21.5	600	770	280	24.0	135	65	10000		5000			12ES	
28HD5		BEA	SIN	T12	HDA	RCO	RA	H	28.0	450	770	280	24.0	135	65	10000		5000			12ES	
7867		BEA	SIN	T12	PA	RCO	TS	H	6.3	2500	700	220	24.0	250	81	10000		12K	22.0	8.5	58T	
2FS5		BEA	SIN	T5	RFA	SCD	GE	H	2.4	600	300	20	3.2	275	10	10000		240K	4.8	2.0	7GA	
3FS5		8EA	SIN	T5	RFA	SCD	GE	H	2.9	450	300	20	3.2	275	10	10000		240K	4.8	2.0	7GA	
6FS5		8EA	SIN	T5	KFA	SCD	GE	H	6.3	200	300	20	3.2	275	10	10000		240K	4.8	2.0	7GA	
6GM5		BEA	SIN	T9	PA	PA	SY	H	6.3	800	550	85	19.0	300	60	10200		29K	9.0	4.0	9PX	
7314	S+	BEA	SIN	CM	PA	PA	BE	H	6.3	600	330	40	10.0		30	10500			15.0	13.0		
60Q5		BEA	SIN	T12	PA	RCO	RC	H	6.3	2500	900	1000	24.0	175	110	10500		5500	23.0	11.0	8JC	
6JE6		BEA	SIN	T12	HDA	RCO	RC	H	6.3	2500	990	315	24.0	175	315	10500		5500	21.0	11.0	9QL	
7695	S	8EA	SIN	T9	PA	PA	SY	H	50.0	150	150		16.0	130	108	11000		7000	14.0	9.0	9PX	
7754	S	8EA	SIN	T9	PA	PA	SY	H	6.3	1200	150		16.0	130	108	11000		7000	14.0	9.0	9PX	
68Q5		BEA	SIN	T6	PA	SRC	SY	H	6.3	760	300	65	12.0	250	50	11300		38K	10.8	6.5	9CV	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT	
BEAM SINGLE -CONTINUED-																					
88Q5		BEA	SIN	T6	PA	SRC	AM	H	8.0	600	300	65	12.0	250	50	11300		38K	10.8	6.5	9CV
108Q5		BEA	SIN	T6	PAS	RC	SY	H	10.6	450	300	65	12.0	250	50	11300		38K	10.8	6.5	9CV
2GU5		BEA	SIN	T5	RFA	SCO	GE	H	2.4	600	300	20	3.0	275	10	15500		165K	7.0	3.2	7GA
3GU5		BEA	SIN	T5	RFA	SCO	GE	H	3.1	450	300	20	3.0	275	10	15500		165K	7.0	3.2	7GA
6GU5		BEA	SIN	T5	RFA	SCO	GE	H	6.3	220	300	20	3.0	275	10	15500		165K	7.0	3.2	7GA
BEAM TWIN																					
28D7W	+	BEA	TWN	T9	PA	RCO	SY	H	28.0	400	100		3.0	28	12	3400		4200	16.0	13.0	BBS
26A7GT		BEA	TWN	T9	PA	SRC	RC	H	26.5	600	50		2.0	26	20	5700					88U
6DY7		BEA	TWN	T12	PA	RCO	SY	H	6.3	1200	400		15.0	250	50	6000		28K			8JP
BEAM MISC.																					
38N6		GTB	SIN	T5	DIS		GE	H	3.2	600	300	12		121	440U			4.2			7DF
48N6		GTB	SIN	T5	DIS		GE	H	4.2	450	300	12		121	440U			4.2			7DF
68N6		GTB	SIN	T5	DIS		GE	H	6.3	300	300	12		121	440U			4.2			7DF
128N6A		GTB	SIN	T5	DIS		SY	H	12.6	150	300	12		121	440U			4.2			7DF
13J10		GTB	PND	T9	DIS		GE	H	13.2	450	330	13		270	440U			4.0			12BT
6JH8	S	SHB	SIN	T6	DET	SCO	GE	H	6.3	300	330	33	3.0	250	14						9DP
6AR8	S	SHB	SIN	T6	DET	SRC	GE	H	6.3	300	300	30	2.0	250	10	4000			5.0		9DP
6HW8		SHB	SIN	T6	DET	SRC	GE	H	6.3	300	330	30	2.0	250	13	4000			4.4		9NQ
BEAM TYPE WITH TRIODE																					
16GK8		BEA	TRI	T6			TA	H	16.0	300	500	75	7.0	250							9JE
13GC8		BEA	TRI	T6	PA		TA	H	13.0	300	250		5.5	170	32	6500			11.0	8.6	9KZ
17JZ8		BEA	TRI	T9	VDA	RCO	GE	H	16.8	450	250	70	7.0	120	46	7100		12K	11.0	7.0	12DZ
9G8B		BEA	TRI	T6	PA		TA	H	9.4	300	250		3.0	170	10	7500					9DA
56R9		BEA	TRI	T9	PA	RCO	GE	H	42.0	150	150	65	6.5	120	49	7500		10K	12.0	6.5	12EN

CHARACTERISTIC LISTING - CCNTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.	
									V	MA	V	PA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN		OUT
8EAM TYPE WITH TRICDE -CONTINUED-																					
10JY8		8EA	TRI	T6	VHF	SRC	GE	H	10.5	450	330		5.0	200	24	11000		55K	10.0	4.6	90X
PENTODE SINGLE																					
60L5		PND	SIN	T5	PA	SRC	RE	H	6.3	200	300	35	6.0	250							70Q FL
CK511		PND	SIN	T3X2	VA	SRC	RA	F	1.2	50	45										8N
6888	S	PND	SIN	T9	GA	SRC	SY	H	6.3	800	250	600	8.0	150	38					12.0	6.5
7434		PND	SIN	T3	VA			H	6.3	200				100	7					3.8	4.4
7727		PND	SIN	T3	EL		RE	F	1.2	8	12										
3V4WA	S+	PND	SIN	T5	PA	SRC	#NU	F	1.2	100	90	8									
5GX6		PND	SIN	T5		SCO	TS	H	4.7	60	300		1.7	150	4					5.5	3.8
5889	S	PND	SIN	T3	EL	SCO	RA	F	1.2	8	45	300U		12	4U	10					
5886	S	PND	SIN	T3X2	EL	SCO	RA	F	1.2	10	22	300U		8	6U	14				2.2	
CK534AX		PND	SIN	T3X2	VA	SCO	RA	F	0.6	15	30	100U		15	9U	36					
CK512AX	S	PND	SIN	T3X2	AFA	SCO	RA	F	0.6	20	25	100U		15	50U	100				2.3	1.5
6281	S	PND	SIN	T3X2	AFA	SCO	RA	F	0.6	20	25	100U		15	50U	100				2.5	3.4
6419	S	PND	SIN	T2X1	VA	SCO	RA	F	0.6	10	25	100U		15	55U	100					
6008		PND	SIN	T2	VA	SCO	RA	F	0.6	13	22	50U				100					
6418	S	PND	SIN	T2X1	PA	SCO	RA	F	1.2	10	30	500U		22	240U	300					
CK5460X		PND	SIN	T2	PA	SCO	RA	F	1.2	10				22	375U	400					
CK533AX		PND	SIN	T3X2	PA	SCO	RA	F	1.2	15	45	650U		22	360U	400					
6519		PND	SIN	T2X1	PA	SCO	RA	F	1.2	10	30	600U		22	400U	400					
CK5470X		PND	SIN	T2X1	PA	SCO	RA	F	1.2	10	45	500U		30	270U	400					
6932		PND	SIN	T3	GA	SCO	RA	F	1.2	20	68	2		45	560U	500				3.5	3.85
2E35	S+	PND	SIN	T3X2	PA	SCO	RA	F	1.2	30	45	1		45	450U	500				2.7	5.7
CK502AX	S	PND	SIN	T3X2	PA	SCO	RA	F	1.2	30	45	1		45	450U	500				2.7	5.7
2E31		PND	SIN	T3X2	RFA	SCO	RA	F	1.2	50	45	1		22	400U	500				4.2	4.0
5672		PND	SIN	T3X2	PA	SRC	RA	F	1.2	50	100	6		68	3	600				2.8	3.5
CK518AX		PND	SIN	T3X2	PA	SCO	RA	F	1.2	30	45	800U		45	250U	600					
6088		PND	SIN	T3X2	PA	SCO	RA	F	1.2	20	68	2		45	650U	600					
12AC6	S	PND	SIN	T5	RFA	SCO	TS	H	12.6	150	30	20		13	550U	700				4.3	5.0
1AD5	S	PND	SIN	T3	VA	SCO	SY	F	1.2	40	68	4		68	2	700					
3DT6A		PND	SIN	T5	DET	SCO	RC	H	3.2	600	330		1.7	150	1	800				5.8	
40T6A		PND	SIN	T5	DET	SCO	RC	H	4.2	450	330		1.7	150	1	800					

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					EIA BASE NO.	
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	CAPACITANCE PICOFARADS		
																			IN		OUT
PENTODE SINGLE -CONTINUED-																					
6DT6		PND	SIN	T5	DET	SCD	RC	H	6.3	300	330		1.7	150	1	800		150K	5.8	7EN	
12DT6		PND	SIN	T5	DET	SCD	TS	H	12.6	150	330		1.7	150	1	800		150K	6.1	7EN	
11LC5	S	PND	SIN	T9	RFA	SCD	SY	F	1.4	50	110	5		90	1	800		1M	3.2	7AO	
11LG5	S	PND	SIN	T9	RFA	SRC	SY	F	1.4	50	110	5		90	2	800		1M	3.2	7AO	
11LN5	S	PND	SIN	T9	RFA	SCD	*PL	F	1.4	50	110			90	2	800		1M	3.0	7AO	
11AH4		PND	SIN	T3X2	RFA	SCD	RA	F	1.2	40	90	2		68	1	800		2M	3.5	FL	
11AK4		PND	SIN	T3X2	RFA	SCD	RA	F	1.2	20	90	1		68	750U		2M	3.5	4.5	FL	
11N5GT	S	PND	SIN	T9	RFA	SCD	*HY	F	1.4	50	110	5		90	1	800		2M	2.8	5Y	
11U4WA	S+	PND	SIN	T5	VA	SCD	TS	F	1.2	50	135	2	0.2	90	2	900			3.6	6AR	
11T4WA	S+	PND	SIN	T5	IFA	SRC	RA	F	1.2	50	100	5	0.4	90	4	900		170K	3.8	6AR	
11L4	S	PND	SIN	T5	RFA	SCD	RC	F	1.4	50	110	6		90	3	900		600K	3.6	6AR	
11AF4		PND	SIN	T5	VA	SCD	SY	F	1.4	25	110	3		68	1	900		2M	3.8	6AR	
5910	S	PND	SIN	T5	VA	SCD	RA	F	1.4	50	90	6		90	2	900		2M	3.6	6AR	
11AN5		PND	SIN	T5	IFA	SCD	RE	F	1.4	25	120	2	0.2	85	2	900		10M	3.7	7ES	
7561		PND	SIN	T9	PA	SCD	TE	H	25.0	300	350	150	13.0	250	51	1000		5000		7S	
11AG4		PND	SIN	T3X2	PA	SCD	RA	F	1.2	40	90	4		41	2	1000		180K		FL	
6611		PND	SIN	T3X2	RFA	SCD	RA	F	1.2	20	50	2	0.1	30	1	1000		400K	4.0	FL	
5879	S	PND	SIN	T6	VA	SRC	RC	H	6.3	150	300		1.2	250	2	1000		2M	2.7	9AD	
5678		PND	SIN	T3X2	RFA	SCD	RA	F	1.2	50	90			68	2	1100		1M	3.3	FL	
12AF6	S	PND	SIN	T5	RFA	SCD	GE	H	12.6	150	16			13	750U	1200		300K	5.5	78K	
6C6	S	PND	SIN	ST12	GEN	SCD	GE	H	6.3	300	300		0.8	250	2	1200		1M	5.0	6F	
6J7GT	S	PND	SIN	T9	VA	SCD	*HY	H	6.3	300	300		0.8	250	2	1200		1M	4.6	7R	
1620	S+	PND	SIN	MT8	VA	SCD	RC	H	6.3	300	250			250	2	1200		1M	7.0	7R	
6788	+	PND	SIN	T3	AF4	SCD	SY	H	6.3	175	250		0.5	100	800U	1200		1M	2.5	8DE	
5972		PND	SIN	T3X2	RFA	SRC	RA	F	1.2	60	75			68	2	1300		1M	4.3	FL	
7C7		PND	SIN	T9	VA	SCD	SY	H	6.3	150	300		1.0	250	2	1300		2M	5.5	8V	
6051		PND	SIN	T3X2	PA	SCD	RA	F	1.2	100	68	10	0.4	45	4	1400		35K	3.65	FL	
354	S	PND	SIN	T5	PA	SRC	RC	F	2.8	50	90	12		68	6	1400		100K		78A	
11A85		PND	SIN	T9	VA	RCD	SY	F	1.2	130				150	7	1400		125K	2.8	58F	
6FD6		PND	SIN	T5	IFA	SCD	RA	H	6.3	330	30	20		13	1	1400		500K	5.5	78K	
128L6		PND	SIN	T5	RFA	SCD	TS	H	12.6	150	30	20		13	1	1400		500K	5.5	78K	
9001		PND	SIN	T5	DET	SCD		H	6.3	150	250		0.5	250	2	1400		1M	3.6	78D	
6999		PND	SIN	T3X2	PA	SCD	RA	F	2.6	50	145	7	0.8	68	4	1600		100K		FL	
154		PND	SIN	T5	PA	SRC	RC	F	1.4	100	90	11		68	7	1600		100K		7AV	
1C5GT		PND	SIN	T9	PA	SRC	*HY	F	1.4	100	110	12		90	8	1600		115K		6X	
11AE4		PND	SIN	T5	RFA	SCD	RA	F	1.2	100	90	11		90	4	1600		500K	3.6	6AR	
6K7GT		PND	SIN	T9	VA	RCD	*HY	H	6.3	300	300		2.8	250	10	1600		600K	4.6	7R	
6S17WGT	S+	PND	SIN	MT8	RFA	SRC	RC	H	6.3	300	300		2.5	250	3	1600		1M	6.0	8N	
12S17GT	S	PND	SIN	T9	RFA	SRC	RC	H	12.6	150	300		2.5	250	3	1600		1M	6.0	7.0	8N
14C7		PND	SIN	T9	DET	SCD	SY	H	12.6	150	300		1.0	250	2	1600		1M	6.0	6.5	8V

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.	
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	DUT		
PENTODE SINGLE -CONTINUED-																						
5693	S+	PND	SIN	MT8	VA	SCO	RC	H	6.3	300	300	10	2.0	250	3	1600		1M	5.3	6.2	8N	
9003	S	PND	SIN	T5	RFA	RCD		H	6.3	150	250		1.7	250	7	1800		700K	3.4	3.0	78D	
787		PND	SIN	T9	RFA	RCD	*PL	H	6.3	150	300		2.2	250	8	1800		750K	5.0	6.0	8V	
344		PND	SIN	T5	PA	RCD	RC	F	2.8	100	150	18	2.0	135	15	1900		90K	4.8	4.2	788	
6526		PND	SIN	T3X2	PA	SRC	RA	F	1.2	125	135	12	1.1	110	6	1900		140K			FL	
7626	S	PND	SIN	T3X2	PA	SCO	RA	F	1.2	125	135	12	1.1	110	7	2000			3.2	2.9		
6D86		PND	SIN	T5	VHF	SCO	WH	H	6.3	300	300		3.0	150	6	2000		50K	6.0	5.0	7CM	
6954	S	PND	SIN	T5	GA	SCO	WH	H	6.3	300	300		3.0	150	6	2000		50K	6.0	5.0	7CM	
3Q4	S	PND	SIN	T5	PA	SRC	RC	F	2.8	50	90	12		90	8	2000		120K			78A	
1AD4		PND	SIN	T3X2	VA	SCO	RA	F	1.2	100	100	7		45	3	2000		500K	4.0	4.0	FL	
68D6	S	PND	SIN	T5	IFA	RCD	RA	H	6.3	300	300	14	3.0	250	9	2000		800K	4.3	5.0	78K	
6SK7WA	S*	PND	SIN	MT8	RFA	RCD	RC	H	6.3	300	330		3.3	250	9	2000		800K	5.0	7.0	8N	
7A7	S	PND	SIN	T9	RFA	RCD	*PL	H	6.3	300	300		4.0	250	9	2000		800K	5.5	7.0	8V	
128D6	S	PND	SIN	T5	IFA	RCD	RA	H	12.6	150	300	14	3.0	250	9	2000		800K	4.3	5.0	78K	
12SK7GT	S	PND	SIN	T9	RFA	RCD	*HY	H	12.6	150	300		4.0	250	9	2000		800K	6.5	7.5	8N	
6137	S+	PND	SIN	MT8	RFA	RCD	GE	H	6.3	300	300		3.0	250	9	2000		800K	5.0	7.0	8N	
6ES6	S	PND	SIN	T5	RFA	RCD	RE	H	6.3	300	50	15	0.5	25	3	2100		50K			7EN	
6ET6	S	PND	SIN	T5	GEN	SCO	RE	H	6.3	300	50	15	0.5	25	2	2100		90K			7EN	
5908	*	PND	SIN	T3	UHF	SCO	SY	H	26.5	150	55	10		26	3	2200		31K	4.0	3.2	8DC	
6AR5	S	PND	SIN	T5	PA	RCD	*HY	H	6.3	400	250		8.5	250	33	2300		68K			6CC	
785	S	PND	SIN	T9	PA	RCD	RA	H	6.3	400	315		8.5	250	33	2300		90K	5.5	6.0	6AE	
6AK6		PND	SIN	T5	PA	RCD	RC	H	6.3	150	300		2.8	180	15	2300		200K	3.6	4.2	78K	
5875		PND	SIN	T3X2	OSC	SCO	RA	F	1.2	100	100	7		90	4	2500			4.0	4.0	FL	
7438		PND	SIN	T3	VA	SCO	MU	F	6.3	175	100	3										
6F6GT	S	PND	SIN	T9	PA	RCD	RC	H	6.3	700	375		11.0	250	36	2500		80K			7S	
6AJ5	S	PND	SIN	T5	UHF	SCO	WE	H	6.3	175	180	18	1.7	28	3	2500		100K	4.0	2.1	78D	
6842	S	PND	SIN	T5	REG	SCO	*NU	H	6.3	150	4K	100	8.0	2K	4	2500		930K	3.95	1.34	7EQ	
5905	S	PND	SIN	T3	UHF	SCO	SY	H	26.5	45	55	10		26	2	2800		150K	4.0	3.4	8DE	
5907	S	PND	SIN	T3	UHF	SCO	SY	H	26.5	45	55	10		26	3	3000		100K	4.0	1.9	8DE	
6612		PND	SIN	T3X2	RFA	SCO	RA	F	1.2	80	50	6	0.2	30	3	3000		180K	5.5	4.2	FL	
12EZ6		PND	SIN	T5	RFA	SCO	TS	H	12.6	175	30	10		14	2	3000		300K	7.8	5.5	78K	
7433		PND	SIN	T3	RFA	SCO	RA	H	6.3	200				100	7	3100			5.0	4.5		
12CX6		PND	SIN	T5	RFA	SCO	SY	H	12.6	150	33			13	3	3100		40K	7.6	6.2	78K	
5725	S*	PND	SIN	T5	RFA	SCO	RA	H	6.3	175	200	20	1.6	120	5	3200			3.9	3.0	7CM	
5784WA	S+	PND	SIN	T3	VHF	SRC	RA	H	6.3	200	165	16	1.2	120	5	3200					FL	
6187	S	PND	SIN	T5	RFA	SCO	RA	H	6.3	175	200	20	1.7	120	5	3200			4.0	3.0	7CM	
6AS6	S	PND	SIN	T5	VA	SRC	WE	H	6.3	175	180	18	1.7	120	5	3200		110K	3.9	2.2	7CM	
5636	S*	PND	SIN	T3	GA	SRC	SY	H	6.3	150	165	11	1.1	100	5	3200		110K	4.0	1.9	8DC	
5916	S	PND	SIN	T3	GA	SRC	SY	H	26.5	45	165	11	1.1	100	5	3200		110K	4.0	3.4	8DC	
6944	S+	PND	SIN	T3	RFA	SRC	SY	H	6.3	175	250	15	1.0	100	7	3200		280K	2.9	3.1	8DC	

CHARACTERISTIC LISTING - CCNTINUED

TUBE TYPE NUMBER	CODE	KINO	TYPE	BULB	USE	TUBE CHAR.	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	
PENTODE SINGLE -CONTINUE0-																				
6HZ6		PNO	SIN	T5	GEN	SCO	RC	H	6-3	450	300			1-7	150	3	3400	110K	8-2	7EN
561B		PND	SIN	T5	VHF	SRC	RC	H	6-0	230	300	30		5-0	250	18	3500		7-0	7CU
12026		PNO	SIN	T5	RFA	RCD	GE	H	12-6	190	16				13	5	3600	30K	9-5	78K
6943	S+	PND	SIN	T3	RFA	SRC	SY	H	6-3	175	250	15		1-0	100	8	3600	300K	3-8	80C
68J6	S	PND	SIN	T5	RFA	RCD	TS	H	6-3	150	300			3-0	250	9	3600	1M	4-5	7CM
6662	S	PNO	SIN	T5	RFA	RCD	GE	H	6-3	150	330			3-3	250	9	3600	1M	4-5	7CM
6GX6	S	PND	SIN	T5	RFA	SCO	RC	H	6-3	450	300			1-7	150	4	3700	140K		7EN
6GY6	S	PNO	SIN	T5		SCO	RC	H	6-3	450					150	4	3700	140K		7EN
12EA6		PNO	SIN	T5	IFA	SCO	GE	H	12-6	175	16				13	3	3800	32K	11-0	78K
12CN5		PNO	SIN	T5	IFA	SCO	RA	H	12-6	450	16				13	4	3800	40K		7CV
7234	S	PNO	SIN	T6	REG	SCO	NU	H	6-3	150	10K	8	12-0	BK		8	3800	1M		9KO
7694	S+	PNO	SIN	T5		SCO	AM	H	6-3	150	330	17	3-3	250		9	3800	1M		7EN
26A6		PND	SIN	T5	RFA	RCD	RC	H	26-5	70	250			3-0	250	10	4000		6-0	78K
6872	+	PNO	SIN	T3	VHF	SRC	RA	H	6-3	200	165	16	1-1	120		8	4100	340K	5-0	FL
7683		PNO	SIN	T6	REG	SRC	VI	H	6-3	150	1K	20	15-0	800		12	4200	35K		
12EK6		PNO	SIN	T5	RFA	SCO	SY	H	12-6	190	16			1-6	150	4	4200	400K	10-0	78K
5654	S	PND	SIN	T5	UHF	SCO	RA	H	6-3	175	200	20		2-5	100	7	4300	420K	4-0	78D
18GD6A	S	PND	SIN	T5	RFA	SCO	SY	H	18-0	100	150			2-5	100	5	4300	500K	6-0	78K
6EC7		PND	SIN	T6	RFA	SRC	TA	H	6-3	200	250			2-2	175	12	4400			9AQ
13EC7		PND	SIN	T6	RFA	SRC	TA	H	13-0	100	250			2-2	175	12	4400			9AQ
18FW6A	S	PND	SIN	T5	RFA	SRC	SY	H	18-0	100	150			2-5	100	11	4400	250K	5-5	78K
3BA6	S	PNO	SIN	T5	RFA	RCD	GE	H	3-2	600	300			3-0	250	11	4400	1M	5-5	78K
4BA6	S	PNO	SIN	T5	RFA	RCD	GE	H	4-2	450	300			3-0	250	11	4400	1M	5-5	78K
68A6	S	PND	SIN	T5	RFA	RCD	RC	H	6-3	300	300			3-0	250	11	4400	1M	5-5	78K
12BA6A	S	PND	SIN	T5	RFA	RCD	SY	H	12-6	150	300			3-0	250	11	4400	1M	5-5	78K
5749	S*	PND	SIN	T5	RFA	RCD	GE	H	6-3	300	300			3-0	250	11	4400	1M	5-5	78K
6660	S	PNO	SIN	T5	RFA	RCD	GE	H	6-3	300	330			3-3	250	11	4400	1M	5-5	78K
7496	S+	PNO	SIN	T5	RFA	RCD	ST	H	6-3	300	330			3-3	250	11	4400	1M	5-5	78K
6225	+	PNO	SIN	T3	VA	SRC	SD	H	6-3	175	165	16	1-1	100		7	4500	175K	4-1	80E
5899	S*	PND	SIN	T3	UHF	SRC	SY	H	6-3	150	165	16	1-1	100		7	4500	260K	4-0	80E
6206	S	PNO	SIN	T3	UHF	SRC	SY	H	6-3	150	165	16	1-1	100		7	4500	260K	4-0	80C
8064	+	PNO	SIN	T3		SRC	SY	H	26-5	45	165	16		1-1	100	7	4500	275K	4-0	80E
3AU6	S	PNO	SIN	T5	IFA	SCO	GE	H	3-2	600	300			3-0	250	8	4500	2M	5-5	78K
4AU6	S	PND	SIN	T5	IFA	SCO	RC	H	4-2	450	300			3-0	250	8	4500	2M	5-5	78K
6AU6A	S+	PNO	SIN	T5	IFA	SCO	RC	H	6-3	300	330			3-3	250	8	4500	2M	5-5	78K
12AU6A	S	PNO	SIN	T5	IFA	SCO	SY	H	12-6	150	300			3-0	250	8	4500	2M	5-5	78K
6BH6	S	PNO	SIN	T5	RFA	SRC	RC	H	6-3	150	300			3-0	250	7	4600	1M	5-4	7CM
6265	S+	PND	SIN	T5	VA	SRC	GE	H	6-3	175	300			2-0	250	7	4600	1M	5-2	7CM
6661	S	PNO	SIN	T5	RFA	SRC	GE	H	6-3	150	330			3-3	250	7	4600	1M	5-4	7CM
7693	+	PND	SIN	T5	RFA	SRC	AM	H	6-3	150	330	15	2-6	250		7	4600	1M		7EN

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	8UL8	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA		V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT	
PENTODE SINGLE -CONTINUE0-																						
6SG7	S	PND	SIN	MT8	IFA	RCD	RC	H	6.3	300	300	3.0	250	12	4700	900K	8.5	7.0	88K			
12SG7	S	PND	SIN	MT8	IFA	RCD	RC	H	12.6	150	300	3.0	250	12	4700	900K	8.5	7.0	88K			
6SH7GT	S	PND	SIN	T9	RFA	SCD	TS	H	6.3	300	300	3.0	250	11	4900	900K	8.5	7.0	88K			
12SH7	S	PND	SIN	MT8	RFA	SCD	RC	H	12.6	150	300	3.0	250	11	4900	900K	8.5	7.0	88K			
5824	S	PND	SIN	T9	PA	RCD	GE	H	25.0	300	200	12.5	135	69	5000	15K			75			
8414	+	PND	SIN	T3	VHF	SCD	SY	H	26.5	45	55	10		4	5000	50K			80C			
6245	S+	PND	SIN	T3	UHF	SRC	RA	H	6.3	200	200	1.8	120	8	5000	150K	4.4	3.15	FL			
6540	S+	PND	SIN	T3	VHF	SRC	RA	H	6.3	200	165	1.6	120	8	5000	150K	4.8	3.5	FL			
6223	+	PND	SIN	T3	VA	SRC	SO	H	6.3	175	165	1.6	100	8	5000	175K	4.2	3.4	8DE			
5840	S*	PND	SIN	T3	UHF	SRC	SY	H	6.3	150	165	1.6	100	8	5000	260K	4.0	1.9	8DE			
5906	S	PND	SIN	T3	UHF	SRC	SY	H	26.5	45	165	1.6	100	8	5000	260K	4.0	1.9	8DE			
6205	S	PND	SIN	T3	UHF	SRC	SY	H	6.3	150	165	1.6	100	8	5000	260K	4.0	1.9	8DE			
408A	S+	PND	SIN	T5	GEN	SRC	SY	H	20.0	50	180	1.8	120	7	5000	340K	3.9	2.85	78D			
5702WA	S+	PND	SIN	T3	VHF	SCD	RA	H	6.3	200	165	1.6	120	8	5000	340K	5.05	3.75	FL			
7083	S+	PND	SIN	T3	VHF	SRC	RA	H	6.3	200	165	2.0	120	8	5000	340K	5.0	3.75	FL			
6A87	S	PND	SIN	MT8	RFA	SRC	RC	H	6.3	450	300	3.8	300	12	5000	700K	8.0	5.0	8N			
6AG5	S	PND	SIN	T5	VHF	SRC	RC	H	6.3	300	300	2.0	250	6	5000	800K	6.5	1.8	78D			
12AW6	S	PND	SIN	T5	VA	SCD	RC	H	12.6	150	300	2.0	250	7	5000	800K	6.5	1.5	7CM			
6186	S	PND	SIN	T5	VHF	SRC	RA	H	6.3	300	330	2.5	250	7	5000	800K	6.5	1.8	78D			
6AK5	S	PND	SIN	T5	UHF	SRC	WE	H	6.3	175	180	1.8	180	8	5100	500K	4.0	2.1	78D			
7430	S	PND	SIN	PC	UHF	SRC	WH	H	6.3	200	180	1.8	180	8	5100	500K			FL			
6136	S+	PND	SIN	T5	RFA	SCD	GE	H	6.3	300	300	3.0	250	11	5200	1M	6.0	5.0	78K			
7543	S+	PND	SIN	T5	IFA	SCD	SY	H	6.3	300	300	3.0	250	11	5200	1M	5.5	5.0	78K			
3021B	*	PND	SIN	ST14	OSC	RCD	#HY	H	12.6	850	4K	15.0	600	30	5500		4.0	2.5	68U			
7432		PND	SIN	T3	RFA	SCD	RA	H	6.3	200	200		100	8	5500							
60C6		PND	SIN	T5	VA	SRC	RC	H	6.3	300	300	2.0	200	9	5500	500K	6.5	2.0	7CM			
6028	S	PND	SIN	T5	UHF	SCD	WE	H	20.0	50	180	1.8	120	9	5600	250K	3.9	2.0	78D			
38C5		PND	SIN	T5	RFA	SRC	GE	H	3.2	600	300	2.0	250	8	5700	800K	6.5	1.8	78D			
48C5		PND	SIN	T5	RFA	SRC	GE	H	4.2	450	300	2.0	250	8	5700	800K	6.5	1.8	78D			
68C5	S	PND	SIN	T5	RFA	SRC	#PL	H	6.3	300	300	2.0	250	8	5700	800K	6.5	1.8	78D			
50FA5		PND	SIN	T5	PA	SRC	SY	H	50.0	100	150	5.2	110	41	5800	13K	11.0	8.5	7CV			
7AK7	S	PND	SIN	T9	GA	RCD	SY	H	6.3	800	200	8.5	150	40	6000	12K	12.0	9.5	8V			
40FR5		PND	SIN	T5	PA	SRC	SY	H	40.0	100	150	5.2	110	35	6000	20K	12.0	9.0	7CV			
38Y7		PND	SIN	T6	PA	SRC	RE	H	3.4	600	550	2.5		6000	600K				9AQ			
7732	S+	PND	SIN	T5	IFA	SRC	#HY	H	6.3	300	330	2.3	250	8	6000	600K	6.5	2.0	7CM			
3C86	S	PND	SIN	T5	IFA	SCD	GE	H	3.2	600	300	2.3	200	10	6200	600K	6.5	2.0	7CM			
3CF6	S	PND	SIN	T5	IFA	SCD	RC	H	3.2	600	300	2.0	200	10	6200	600K	6.5	2.0	7CM			
4C86	S	PND	SIN	T5	IFA	SCD	GE	H	4.2	450	300	2.3	200	10	6200	600K	6.5	2.0	7CM			
6C86A	S	PND	SIN	T5	IFA	SCD	RC	H	6.3	300	300	2.3	200	10	6200	600K	6.5	2.0	7CM			
6CF6	S	PND	SIN	T5	IFA	SCD	RC	H	6.3	300	300	2.0	200	10	6200	600K	6.5	2.0	7CM			

CHARACTERISTIC LISTING - CCNTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	PICOFARADS IN	DUT		
PENTODE SINGLE -CONTINUED-																						
7056 38X6 12BX6 20F4 7498	S	PND	SIN T5	T5	IFA	SCD	RC	H	13.5	150	330		2.0	200	10	6200		600K	6.5	2.0	7CM	
		PND	SIN T6	T6	GEN	SCD	RE	H	3.4	600	550		2.5	250	10	6800		650K	7.5	3.3	9AQ	
		PND	SIN T6	T6	GEN	SCD	RE	H	12.6	150	550		2.5	250	10	6800		650K	7.5	3.3	9AQ	
		PND	SIN T6	T6	PA	RCD	GE	F	2.5	345	250	50	4.5	120	37	6900			7.5	5.5	9JL	
7498 3CE5 6CE5 4DE6 6DE6 38Z6	+	PND	SIN T5	T5	RFA		ST	H	6.3	300	300		3.0	250	10	7600			7.6	3.2	78D	
		PND	SIN T5	T5	RFA	SCD	*PL	H	3.2	600	300		2.0	125	11	7600		300K	6.5	1.9	78D	
		PND	SIN T5	T5	RFA	SCD	*HY	H	6.3	300	300		2.2	125	11	7600		300K	6.5	1.9	78D	
		PND	SIN T5	T5	IFA	SRC	SY	H	4.2	450	330		2.3	125	16	8000		250K	6.5	2.0	7CM	
6676 12FB5 4GZ5 6AN5WA 8210 6HR6 19HR6	S	PND	SIN T5	T5	IFA	SRC	*PL	H	6.3	300	330		2.3	125	16	8000		250K	6.5	2.0	7CM	
		PND	SIN T5	T5	IFA	RCD	SY	H	3.2	600	330		2.3	125	14	8000		260K	7.0	2.0	7CM	
		PND	SIN T5	T5	IFA	RCD	GE	H	4.2	450	330		2.3	125	14	8000		260K	7.0	2.0	7CM	
		PND	SIN T5	T5	IFA	RCD	SY	H	12.6	150	330		2.3	125	14	8000		260K	7.0	2.0	7CM	
6676 12FB5 4GZ5 6AN5WA 8210 6HR6 19HR6	S	PND	SIN T6	T6	VA		TA	H	6.3	300	330		2.3	125	13	8000		280K	6.5	2.0	7CM	
		PND	SIN T6	T6	VA		TA	H	12.6	300	250	50	6.0	170	31	8300					9CV	
		PND	SIN T5	T5	AFA		TS	H	4.0	600	300		4.8	250	16	8400		150K	8.5	3.8	7CV	
		PND	SIN T5	T5	PA	SRC	RA	H	6.3	450	330	55	4.6	120	33	8500			9.0	5.5	78D	
7ED7 8CW5 15CW5 5639 7761	S	PND	SIN T3	T3	VHF	SCD	SY	H	6.3	125	165	16	1.1	100	8	8500		260K	4.8	3.8	8LS	
		PND	SIN T5	T5	GEN	SRC	RC	H	6.3	450	300		3.0	200	13	8500		500K	8.8	5.2	78K	
		PND	SIN T5	T5	GEN	SRC	RC	H	18.9	150	300		3.0	200	13	8500		500K	8.8	5.2	78K	
		PND	SIN T6	T6	VHF		TA	H	7.3	300	250		3.0	170	10	8800					9AQ	
64B5 6AC7 6134 6EL7	+	PND	SIN T6	T6	AFA	SRC	RE	H	8.0	600	275	110	14.0	200	60	8800		23K			9CV	
		PND	SIN T6	T6	AFA	SRC	RE	H	15.0	300	250	100	12.0	200	60	8800		23K			9CV	
		PND	SIN T3	T3	VHF	SRC	SY	H	6.3	450	165	40	4.0	150	21	9000		50K	9.0	4.6	8DE	
		PND	SIN T3	T3	VHF	SRC	SY	H	26.5	110	165	40	4.0	150	20	9000		50K	8.0	4.6	8DE	
35D5 6FC5 6HS6 19HS6 6GK7	S	PND	SIN T5	T5	IFA	SRC	RA	H	6.3	450	330	28	3.3	300	10	9000		500K	10.0	4.5	78K	
		PND	SIN T5	T5	IFA	SCD	RC	H	6.3	450	300	25	3.2	300	10	9000		500K	10.0	2.0	78K	
		PND	SIN MT8	MT8	RFA	SCD	RC	H	6.3	450	300		3.0	300	10	9000		1M	11.0	5.0	8N	
		PND	SIN MT8	MT8	RFA	SRC	GE	H	6.3	450	300		3.0	300	10	9000		1M	11.0	5.0	8N	
6134 6EL7 35D5 6FC5 6HS6 19HS6 6GK7	+	PND	SIN T6	T6			TA	H	6.3	300	250		3.0	170	10	9200					9AQ	
		PND	SIN T6	T6	AFA	SRC	MI	H	35.0	150	275		10.0	170	58	9500		20K			9FU	
		PND	SIN T5	T5	VHF	SCD	GE	H	6.3	200	275	20	2.8	250	9	9500		250K	4.2	2.8	7GA	
		PND	SIN T5	T5	GEN	SCD	RC	H	6.3	450	300		3.0	150	9	9500		500K	8.8	5.2	78K	
6145 8136 30K6 4DK6 6DK6	S	PND	SIN T5	T5	GEN	SCD	RC	H	18.9	150	300		3.0	150	9	9500		500K	8.8	5.2	78K	
		PND	SIN T6	T6	IFA		CG	H	6.3	300	330		2.8	270	8	9500		750K	8.5	3.3	9AQ	
		PND	SIN T9	T9	VA	SCD	SY	H	6.3	600	300		10.0	150	34	9700		100K	14.0	7.5	8V	
		PND	SIN T5	T5	IFA	SCD	GE	H	6.3	300	330		2.2	125	11	9800		350K	7.0	2.2	7CM	
6145 8136 30K6 4DK6 6DK6	S	PND	SIN T5	T5	IFA	SCD	WH	H	3.2	600	330		2.3	125	12	9800		350K	6.3	1.9	7CM	
		PND	SIN T5	T5	IFA	SCD	WH	H	4.2	450	330		2.3	125	12	9800		350K	6.3	1.9	7CM	
		PND	SIN T5	T5	IFA	SCD	WH	H	4.2	450	330		2.3	125	12	9800		350K	6.3	1.9	7CM	
		PND	SIN T5	T5	VHF	SCD	RA	H	6.3	300	330		2.3	125	12	9800		350K	6.3	1.9	7CM	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT			MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE		EIA BASE NO.
									V	MA	V	MA	W	EB V	18 MA	GM UMHO	MU	RP OHMS	IN	OUT		
PENTODE SINGLE -CONTINUED-																						
12DK6		PND	SIN	T5	VHF	SCO	RC	H	12.6	500	330		2.3	125	12	9800			350K	6.3	1.9	7CM
6CW5		PND	SIN	T6	AFA	RCD	RE	H	6.3	760	275	110	14.0	170	70	10000			23K	12.0	6.0	9CV
7591		PND	SIN	T9	PA		WH	H	6.3	800	550	85	19.0	300	75	10200			29K	10.0	5.0	8KQ
7868		PND	SIN	T9	PA	HIP	RC	H	6.3	800	550	90	19.0	300	75	10200			29K	11.0	4.4	9NZ
120Q7	S	PND	SIN	T6	VHF	SRC	GE	H	12.6	300	330		6.5	200	26	10500			53K	10.0	3.8	9BF
6HC6		PND	SIN	T5	IFA	SRC	RV	H	6.3	300	330		2.4	125	15	10500			220K	7.8	2.2	
7499	+	PND	SIN	T6	VHF	SCO	ST	H	6.3	750	300	65	12.0	250	40	11000				12.5	5.0	9DA
6CA7		PND	SIN	T9	PA	RCD	TS	H	6.3	1500	800	150	25.0	250	100	11000			15K			8ET
6197	S	PND	SIN	T6	ONA	SRC	RC	H	6.3	650	300	50	7.5	250	30	11000			90K	11.5	5.0	98V
12BY7A	S	PND	SIN	T6	VHF	SRC	GE	H	12.6	300	300		6.5	250	26	11000			93K	10.2	3.5	98F
6AG7	S	PND	SIN	MT8	PA	SRC	RC	H	6.3	650	300		9.0	300	30	11000			130K	13.0	7.5	8Y
6CL6	S	PND	SIN	T6	PA	SRC	RC	H	6.3	650	300		7.5	250	31	11000			150K	11.0	5.5	98V
6677	S	PND	SIN	T6	PA	SRC	GE	H	6.3	650	330		8.5	250	31	11000			150K	11.0	5.5	98V
6GK6		PND	SIN	T6	AFA		SY	H	6.3	760	250	65	13.2	250	48	11300			38K	10.0	7.0	9GK
8GK6		PND	SIN	T6	AFA	SRC	RA	H	8.0	600	440		13.2	250	48	11300			38K	10.0	7.0	9GK
16GK6		PND	SIN	T6	AFA	SRC	TA	H	16.0	300	440		13.2	250	48	11300			38K	10.0	7.0	9GK
29GK6		PND	SIN	T6	AFA	SRC	RA	H	28.6	150	440		13.2	250	48	11300			38K	10.0	7.0	9GK
7189		PND	SIN	T6	PA	RCD	AM	H	6.3	760	400	65	12.0	250	48	11300			40K	10.8	6.5	9CV
7054	S	PND	SIN	T6	PA	SRC	RC	H	13.5	275	330		5.0	250	19	11500			100K	10.2	3.5	9GK
8077	S	PND	SIN	T6	PA	SRC	RC	H	13.5	275	330		5.0	250	19	11500			100K	10.2	3.5	9GK
35EH5A		PND	SIN	T5	PA	SRC	SY	H	35.0	150	150		5.0	110	32	12000			14K	17.0	9.0	7CV
50EH5A		PND	SIN	T5	PA	SRC	SY	H	50.0	150	150		5.0	110	32	12000			14K	17.0	9.0	7CV
7733	S+	PND	SIN	T6	VHF	RCD	#HY	H	12.6	300	330		6.5	250	24	12000			90K	10.7	4.0	98F
3EH7	S	PND	SIN	T6	IFA		RE	H	3.4	600	500		2.5			12500			500K			9AQ
4EH7		PND	SIN	T6	IFA		RE	H	4.4	450	500		2.5			12500			500K			9AQ
6EH7		PND	SIN	T6	IFA		RE	H	6.3	300	250	20	2.5	200	12	12500			500K	10.0	3.0	9AQ
50FK5		PND	SIN	T5	AFA		GE	H	50.0	100	150		5.0	110	32	12800			14K	17.0	9.0	7CV
12BV7	S	PND	SIN	T6	VHF	SRC	#PL	H	12.6	300	300		6.2	250	27	13000			85K	11.0	3.0	98F
7995		PND	SIN	T3	RFA	SCO	RA	H	6.3	250	200	30	1.6	150	8	13000			85K	8.5	2.75	FL
4GM6	S	PND	SIN	T5	IFA	SRC	RC	H	4.2	600	330		3.1	125	14	13000			200K	10.0	2.4	7CM
5GM6		PND	SIN	T5	IFA	SRC	RC	H	5.6	450	330		3.1	125	14	13000			200K	10.0	2.4	7CM
6GM6		PND	SIN	T5	IFA	SRC	RC	H	6.3	400	330		3.1	125	14	13000			200K	10.0	2.4	7CM
5847	S	PND	SIN	T6	RFA	SCO	WE	H	6.3	300	200	40	3.3	160	14	13000			200K	7.2	3.15	9X
12FX5		PND	SIN	T5	AFA		WH	H	12.6	450	150		5.5	110	35	13500			18K	17.0	9.0	7CV
60FX5		PND	SIN	T5	PA	SRC	RC	H	60.0	100	150		5.5	110	35	13500			18K	17.0	9.0	7CV
7751	+	PND	SIN	T8	PA	RCD	#HY	H	6.3	1200	550	200	10.0	100	100	14000			5000	17.5	1.3	
3HT6		PND	SIN	T6	IFA	SRC	WH	H	3.2	600	250	25	2.5	125	15	14000			143K			9PM
4HT6		PND	SIN	T6	IFA	SRC	WH	H	4.2	450	250	25	2.5	125	15	14000			143K			9PM
6HT6		PND	SIN	T6	IFA	SRC	WH	H	6.3	300	250	25	2.5	125	15	14000			143K			9PM
4EW6	S	PND	SIN	T5	IFA	SCO	GE	H	4.2	600	330		3.1	125	11	14000			200K	10.0	2.4	7CM

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.	
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT			
PENTODE SINGLE -CONTINUED-																							
5EW6	S	PND	SIN	T5	IFA	SCD	RC	H	5-6	450	330				3-1	125	11	14000		200K	10-0	2-4	7CM
6EW6		PND	SIN	T5	IFA	SCD	GE	H	6-3	400	330				3-1	125	11	14000		200K	10-0	2-4	7CM
15EW6		PND	SIN	T5	IFA	SCD	GE	H	15-0	150	330				3-1	125	11	14000		200K	10-0	2-4	7CM
6EH5		PND	SIN	T5	PA	SCD	RC	H	6-3	1200	135				5-0	110	42	14600		11K	17-0	9-0	7CV
12EH5		PND	SIN	T5	PA	SCD	RC	H	12-6	600	135				5-0	110	42	14600		11K	17-0	9-0	7CV
25EH5		PND	SIN	T5	PA	SCD	RC	H	25-0	300	135				5-0	110	42	14600		11K	17-0	9-0	7CV
50HC6		PND	SIN	T5	PA	SCD	GE	H	50-0	150	150				5-5	110	42	14600		11K	17-0	9-0	7FZ
3HM6		PND	SIN	T6	IFA	SCD	WH	H	3-2	600	250	25			2-5	125	13	15000		156K	8-7	2-1	9PM
4HM6		PND	SIN	T6	IFA	SCD	WH	H	4-2	450	250	25			2-5	125	13	15000		156K	8-7	2-1	9PM
6HM6		PND	SIN	T6	IFA	SCD	WH	H	6-3	300	250	25			2-5	125	13	15000		156K	8-7	2-1	9PM
3EJ7	S	PND	SIN	T6	IFA	SCD	RE	H	3-4	600	550				2-5			15000		350K			9AQ
4EJ7		PND	SIN	T6	IFA	SCD	RE	H	4-4	450	550	25			2-5	200	10	15000		350K	10-0	3-0	9AQ
6EJ7		PND	SIN	T6	IFA	SCD	RE	H	6-3	300	250	25			2-5	200	10	15000		350K	10-0	3-0	9AQ
8211		+	PND	SIN	T3	VHF	SRC	SY	H	6-3	360	330	40			4-0	150	17	15500		65K	12-0	8-0
6688A	+	PND	SIN	T6	VHF	SCD	RA	H	6-3	300	210	25			2-7	190	13	16500		90K	7-5	3-0	9EQ
6FN5		PND	SIN	T12	HDA	RCO	CI	H	6-3	1650	250	700			16-0	100		17000		3500	25-0	11-0	86D
35FN5		PND	SIN	T12	HDA	RCO	CI	H	35-0	300	250	700			16-0	100		17000		3500	25-0	11-0	86D
6H86		PND	SIN	T6	VDA	SRC	RA	H	6-3	760	350				10-0	250	40	20000		24K	13-0	8-0	9NW
15H86		PND	SIN	T6	VDA	SRC	RC	H	14-7	300	350				10-0	250	40	20000		24K	13-0	8-0	9NW
7722	S	PND	SIN	T6	VA	SCD	#HY	H	6-3	320	400	30			4-0	190	20	26000		100K	9-3	2-1	9EQ
7721	S	PND	SIN	T6	VA	SCD	#HY	H	6-3	320	400	29			4-0	190	22	35000		120K	10-0	2-0	9EQ
12GN7		PND	SIN	T6	VHF	SCD	SY	H	12-6	300	400				7-5	250	28	36000		50K	17-5	4-0	98F
7788	+	PND	SIN	T6	VHF	SCD	AM	H	6-3	340	250	50			5-0	135	35	50000			3-5	16-0	
PENTODE TWIN																							
4HS8	S	PND	TWN	T6		SCD	GE	H	4-2	450	300	12			1-1	100	2	1100					9FG
3HS8	S	PND	TWN	T6		SCD	GE	H	3-2	300	300	12			1-1	100	2	1100					9FG
6HS8	S	PND	TWN	T6		SCD	GE	H	6-3	300	300	12			1-1	100	2	1100					9FG
3GS8	S	PND	TWN	T6		SCD	SY	H	3-2	600	300	12			1-1	100	8	1200			6-0	3-2	9FG
4GS8	S	PND	TWN	T6		SCD	SY	H	4-2	450	300	12			1-1	100	8	1200			6-0	3-2	9FG
6GS8	S	PND	TWN	T6		SCD	SY	H	6-3	300	300	12			1-1	100	8	1200			6-0	3-2	9FG
38UBA	S	PND	TWN	T6	VHF	SCD	GC	H	3-2	600	300	12			1-1	100	2	1500			6-0	3-0	9FG
48UB	S	PND	TWN	T6	VHF	SCD	GE	H	4-2	450	300	12			1-1	100	2	1500			6-0	3-0	9FG
68UBA	S	PND	TWN	T6	VHF	SCD	CG	H	6-3	300	300	12			1-1	100	2	1500			6-0	3-0	9FG
3KF8	S	PND	TWN	T6	VHF	SCD	RA	H	3-2	600	300	12			1-1	100	3	1800			6-0	3-0	9FG

CHARACTERISTIC LISTING - CCNTINUEO

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT		
PENTODE TWIN -CONTINUEO-																						
4KF8	S	PNO	TWN	T6	VHF	SCO	RA	H	4.2	450	300	12	1.1	100	3	1800			6.0	3.0	9FG	
6KF8	S	PNO	TWN	T6	VHF	SCO	RA	H	6.3	300	300	12	1.1	100	3	1800			6.0	3.0	9FG	
5970		PNO	TWN	T3	VHF	SRC	RA	F	1.2	160	45	5		45	3	1800		170K	3.3	2.4	80S	
6HU8		PND	TWN	T6	AFA		LR	H	6.3	550	300	40	6.0	250	26	6000		80K	7.0	4.5	9NJ	
12HU8		PNO	TWN	T6	AFA		LR	H	12.0	300	300	40	6.0	250	26	6000		80K	7.0	4.5	9NJ	
6AR11		PNO	TWN	T9	IFA	SRC	GE	H	6.3	800	330	11	3.1	125		10500		200K	10.0	2.9	12DM	
11AR11		PNO	TWN	T9	IFA	SRC	GE	H	11.2	450	330	11	3.1	125		10500		200K	10.0	2.9	12DM	
6DZ7		PNO	TWN	T12	PA	SRC	GE	H	6.3	1520	440		13.2	250	48	11300		38K	11.0	5.0	8JP	
6J11		PNO	TWN	T9	IFA	SCO	GE	H	6.3	800	330		3.1	125	11	13000		200K	11.0	3.0	128W	
PENTODE DISSIMILAR																						
6AL11		PND	OIS	T9	AFA	SCO	GE	H	6.3	900	330		1.7	150	1	1000		150K			128U	
10AL11		PND	OIS	T9	AFA	SCO	GE	H	9.8	600	330		1.7	150	1	1000		150K			128U	
68F11		PNO	DIS	T9	DET	SCO	GE	H	6.3	1200	330		1.7	150	1	1000		150K			12EZ	
6G11		PNO	OIS	T9	AFA	SCO	GE	H	6.3	1200	330		1.7	150	1	1000		150K			128U	
12AL11		PND	DIS	T9	AFA	SCO	GE	H	12.6	450	330		1.7	150	1	1000		150K			128U	
12G11		PND	OIS	T9	AFA	SCO	GE	H	12.6	600	330		1.7	150	1	1000		150K			128U	
6AL11		PNO	OIS	T9	DET	SRC	GE	H	6.3	900	275		10.0	250	39	6500		100K	11.0	12.0	128U	
10AL11		PND	DIS	T9	DET	SRC	GE	H	9.8	600	275		10.0	250	39	6500		100K	11.0	12.0	128U	
12AL11		PND	OIS	T9	DET	SRC	GE	H	12.6	450	275		10.0	250	39	6500		100K	11.0	12.0	128U	
6G11		PNO	DIS	T9	DET	SRC	GE	H	6.3	1200	150	65	6.5	120	50	7500		10K	12.0	12.0	128U	
12G11		PND	OIS	T9	DET	SRC	GE	H	12.6	600	150	65	6.5	120	50	7500		10K	12.0	12.0	128U	
68F11		PND	OIS	T9	AFA		GE	H	6.3	1200	165	65	6.5	145	36	8600		30K	13.0	10.0	12EZ	
68A11		TWP	TRI	T9	GA		TS	H	6.3	300	300	12	1.1	100		1700			6.0	3.0	12ER	
PENTODE WITH DIODE																						
10N5	S	PNO	OIO	T5	AFA	SRC	TS	F	1.4	50	90	3		68	2	600		600K	2.2	2.4	68W	
1S5	S	PND	OIO	T5	VA	SCO	RC	F	1.4	50	90	3		68	2	600		600K			68W	
1U5WA	S	PND	OIO	T5	AFA	SCO	#NU	F	1.4	50	90	3		68	2	600		600K			68W	
120E8		PNO	OIO	T6	RFA	SCO	TS	H	12.6	200	30	20		13	1	1500		300K	5.5	5.7	9HG	
6SF7		PNO	OIO	MT8	AFA	RCD	RC	H	6.3	300	300		3.5	250	12	2000		700K	5.5	6.0	7AZ	

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT		
PENTODE WITH OJODE -CONTINUED-																						
12SF7		PND	D10	MT8	AFA	RCO	RC	H	12.6	150	300	3.5	250	12	2000		700K	5.5	6.0	7A2		
6CR6		PND	D10	T5	AFA	RCO	TS	H	6.3	300	300	2.5	250	10	2200		800K			7EA		
12CR6		PND	D10	T5	AFA	RCO	TS	H	12.6	150	300	2.5	250	10	2200		800K			7EA		
6EQ7		PND	D10	T6	RFA	RCO	RC	H	6.3	30	300	3.0	100	9	3800		250K	5.5	5.0	9LQ		
12EQ7		PND	D10	T6	RFA	RCO	RC	H	12.6	150	300	3.0	100	9	3800		250K	5.5	5.0	9LQ		
20EQ7		PND	D10	T6	RFA	RCO	RC	H	20.0	100	300	3.0	100	9	3800		250K	5.5	5.0	9LQ		
6KL8		PND	D10	T6	IFA	SCD	RC	H	6.3	300	300	3.0	100	6	4300		550K	6.0	5.0	9LQ		
12KL8		PND	D10	T6	IFA	SCD	RC	H	12.6	150	300	3.0	100	6	4300		550K	6.0	5.0	9LQ		
6GN6		PND	D10	T5	IFA	RCO	RV	H	6.3	300	300	3.0	250	11	4400		1M	5.5	5.0	7FW		
12GN6		PND	D10	T5	IFA	RCO	RV	H	12.6	150	300	3.0	250	11	4400		1M	5.5	5.0	7FW		
6BY8		PND	D10	T6	VA	SCD	*PL	H	6.3	600	300	3.0	250	11	5200		1M	5.5	5.0	9FN		
117L7GT	S	PND	D10	T9	PA	RCO	TS	H	117.0	90	117	6.0	105	43	5300		17K			8AD		
5AS8		PND	D10	T6	VHF	SRC	RC	H	4.7	600	300	2.5	200	10	6200		300K	7.0	2.4	9DS		
6AS8		PND	D10	T6	VHF	SRC	RC	H	6.3	450	300	2.5	200	10	6200		300K	7.0	2.4	9DS		
6GA7		PND	D10	T12	PA	RCO	RA	H	6.3	2260	770	150	15.0	75	6600		20K			12EB		
6JF8		PND	D10	T12	VOA	RCO	RA	H	6.3	2400	770	500	15.0	75	6600		20K			12EB		
24GA7		PND	D10	T12	PA	RCO	RA	H	24.0	600	770	150	15.0	75	6600		20K			12EB		
32GA7		PND	D10	T12	PA	RCO	RA	H	32.0	450	770	150	15.0	75	6600		20K			12EB		
5AM8		PND	D10	T6	IFA	SRC	SY	H	4.7	600	300	2.8	200	12	7000		600K	6.0	2.6	9CY		
6AM8A		PND	D10	T6	IFA	SRC	SY	H	6.3	450	300	2.8	200	12	7000		600K	6.0	2.6	9CY		
70L7GT		PND	D10	T9	PA	RCO	RC	H	70.0	150	117	5.0	110	43	7500		15K			8AA		
6HJ8		PND	D10	T6	IFA	*PL	RC	H	6.3	450	330	3.2	125	12	9300		200K	7.0	3.2	9CY		
6ET7		PND	D10	T6	VHF	SRC	SY	H	6.3	900	330	5.0	200	25	11500		60K	10.0	4.2	9LT		
12F8		PND	DW0	T6	AFA	SCD	TS	H	12.6	150	30	13	13	1	1000		330K	4.5	3.0	9FH		
12C8		PND	DW0	MT8	AFA	SRC	RC	H	12.6	150	300	2.2	250	10	1300		600K	6.0	9.0	8E		
6DR8		PND	DW0	T6	IFA	RE	RE	H	6.3	300	50	5	25	2	2100		200K			9HE		
14R7		PND	DW0	T9	VA	RCO	SY	H	12.6	150	250	2.0	250	6	3200		1M	5.6	5.3	8AE		
6DC8		PND	DW0	T6	IFA	RE	RE	H	6.3	300	300	16	200	11	4500		600K	5.0	5.2	9HE		
5BW8		PND	DW0	T6	IFA	SRC	GE	H	4.7	600	330	3.0	250	10	5200		250K	4.8	2.6	9HK		
6BW8		PND	DW0	T6	IFA	SRC	GE	H	6.3	450	330	3.0	250	10	5200		250K	4.8	2.6	9HK		
5BT8		PND	DW0	T6	IFA	SRC	WH	H	4.7	600	300	2.0	200	10	6200		300K	7.0	2.3	9FE		
8ET7		PND	DW0	T6	RFA	SCD	SY	H	8.0	600	330	5.0	200	25	11500		60K	10.0	4.2	9LT		

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	8ULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS IN OUT		EIA BASE NO.		
									V	MA	V	MA	W	E8 V	I8 MA	GM UMHO	MU	RP OHMS	IN	OUT			
PENTODE WITH TRIODE																							
6J88		PND	TRI	T6	AFA	SRC	RA	H	6.3	600	330		3.0	250		1600		1M				9AE	
12EC8		PND	TRI	T6	MIX	SCO	SY	H	12.6	225	16			13		2000		750K			4.6	2.6	9FA
6GE8	S	PNO	TRI	T6	VA	SRC	WH	H	6.3	900	330		1.0	150	6	3200		340K			8.0	2.4	9LC
7734	S	PNO	TRI	T6	VA	SRC	WH	H	6.3	900	330		1.0	150	6	3200		340K			8.0	2.4	9LC
6KA8		PNO	TRI	T6	GA	SCO	RC	H	6.3	600	300		2.0	150	4	4400		100K					9PV
8KA8		PNO	TRI	T6	GA	SCO	RC	H	8.4	450	300		2.0	150	4	4400		100K					9PV
5AT8	S	PNO	TRI	T6	MIX	SRC	RC	H	4.7	600	250		2.0	250	8	4600		750K			4.5	0.9	9DW
5CG8	S	PND	TRI	T6	MIX	SRC	RC	H	4.7	600	250		2.0	250	8	4600		750K			4.8	0.9	9GF
5X8	S	PNO	TRI	T6	MIX	SRC	SY	H	4.7	600	250		2.0	250	8	4600		750K			4.3	0.7	9AK
6AT8A	S	PND	TRI	T6	MIX	SCO	RC	H	6.3	450	250		2.0	250	8	4600		750K			4.5	0.9	9DW
6CG8A	S	PND	TRI	T6	MIX	SCO	GE	H	6.3	450	250		2.0	250	8	4600		750K			4.8	0.9	9GF
6X8A	S	PND	TRI	T6	MIX	SRC	GE	H	6.3	450	250		2.0	250	8	4600		750K			4.3	0.7	9AK
19X8		PND	TRI	T6	MIX	SRC	RC	H	18.9	150	250		2.0	250	8	4600		750K			4.3	0.7	9AK
6AX8		PNO	TRI	T6	VHF	SRC	*PL	H	6.3	450	300		2.8	250	10	4800		400K			5.0	3.5	9AE
5K08		PND	TRI	T6	MIX	SRC	SY	H	5.6	450	330		3.0	125	10	5000		200K			5.0	2.6	9AE
6K08		PND	TRI	T6	MIX	SRC	SY	H	6.3	400	330		3.0	125	10	5000		200K			5.0	2.6	9AE
6HC8		PND	TRI	T9	VDA	RCO	SY	H	6.3	1200	350		11.0	250	38	5100		55K			10.0	8.0	9EX
17HC8		PND	TRI	T9	VDA	RCO	SY	H	16.8	450	350		11.0	250	38	5100		55K			10.0	8.0	9EX
58E8	S	PND	TRI	T6	MIX	SRC	SY	H	4.7	600	300		2.8	250	10	5200		400K			4.4	2.6	9EG
58R8A	S	PNO	TRI	T6	MIX	SRC	TS	H	4.7	600	300		2.8	250	10	5200		400K			5.0	2.6	9FA
5U8	S	PND	TRI	T6	MIX	SRC	GE	H	4.7	600	300		2.8	250	10	5200		400K			5.0	2.6	9AE
68E8	S	PNO	TRI	T6	MIX	SRC	SY	H	6.3	450	300		2.8	250	10	5200		400K			4.4	2.6	9EG
68R8A	S	PND	TRI	T6	MIX	SRC	SY	H	6.3	450	300		2.8	250	10	5200		400K			5.0	2.6	9FA
6U8A	S	PND	TRI	T6	MIX	SRC	GE	H	6.3	450	300		2.8	250	10	5200		400K			5.0	2.6	9AE
9U8A		PND	TRI	T6	MIX	SRC	GE	H	9.4	300	300		2.8	250	10	5200		400K			5.0	2.6	9AE
6678	S	PND	TRI	T6	MIX	SRC	GF	H	6.3	450	330		3.0	250	10	5200		400K			5.0	2.6	9AE
7059	S	PND	TRI	T6	MIX	SRC	RC	H	13.5	195	300		2.8	250	10	5200		400K			5.0	2.5	9AE
7731	S+	PNO	TRI	T6	MIX	SRC	*HY	H	6.3	450	330		3.0	250	10	5200		400K			5.0	2.6	9AE
6JC8		PNO	TRI	T6	MIX	SCO	SY	H	6.3	450	275		2.3	125	9	5500		300K			4.8	0.9	9PA
7687	S+	PND	TRI	T6	AFA	RCO	SY	H	6.3	500	330		3.0	220	10	5800		500K			7.0	2.8	9AE
5EH8	S	PNO	TRI	T6	MIX	SRC	SY	H	4.7	600	300		2.8	125	12	6000		170K			4.8	2.4	9JG
6EH8		PNO	TRI	T6	MIX	SRC	SY	H	6.3	450	300		2.8	125	12	6000		170K			4.8	2.4	9JG
5FG7		PND	TRI	T6	MIX	SRC	GE	H	4.7	600	330		3.0	125	11	6000		180K			5.0	2.4	9GF
6FG7		PND	TRI	T6	MIX	SRC	GE	H	6.3	450	330		3.0	125	11	6000		180K			5.0	2.4	9GF
6AZ8	S	PNO	TRI	T6	IFA	SRC	RC	H	6.3	450	300		2.0	200	10	6000		300K			6.5	2.2	9ED
9A8	S	PNO	TRI	T6	GEN		RE	H	9.0	300	275	15	1.9	170	10	6200					5.5	3.8	9ME
18H88		PND	TRI	T6	AFA		SY	H	18.0	300	150	135	6.5	115	32	6200							9ME
35H88		PNO	TRI	T6	AFA		SY	H	35.0	150	150	135	6.5	115	32	6200							9ME
5AN8	S	PNO	TRI	T6	GEN	SRC	SY	H	4.7	600	300		2.0	200	10	6200		300K			7.0	2.3	9DA
5AV8	S	PND	TRI	T6	GEN	SRC	SY	H	4.7	600	300		2.0	200	10	6200		300K			7.0	2.3	9DZ

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS						CAPACITANCE PICOFARADS		EIA BASE ND.		
									V	MA	V	MA	W	E8 V	IB MA	GM UMHD	MU	RP OHMS	IN	DUT				
PENTODE WITH TRIDODE -CONTINUED-																								
588	S	PND	TRI T6	T6	GEN	SRC	SY	H	4.7	600	300	2.0	200	300K	6.0	2.6	9EC							
6AN8	S	PND	TRI T6	T6	GEN	SRC	RC	H	6.3	450	300	2.0	200	300K	7.0	2.3	9DA							
6CH8	S	PND	TRI T6	T6	GEN	SRC	RC	H	6.3	450	300	2.0	200	300K	7.0	2.25	9FT							
6CU8	S	PND	TRI T6	T6	GEN	SRC	RC	H	6.3	450	300	2.0	200	300K	7.0	2.4	9GM							
48L8	S	PND	TRI T6	T6	CON		RE	H	4.6	600	550	1.7	170	400K	5.2	3.4	9DC							
68L8	S	PND	TRI T6	T6	CON		TS	H	6.3	450	250	14	170	400K	5.5	3.8	9DC							
7643	+	PND	TRI T6	T6	OSC		AM	H	6.3	330	275	18	170	400K										
5CM8	S	PND	TRI T6	T6	GEN	SRC	SY	H	4.7	600	300	2.0	200	600K	6.0	2.6	9FZ							
6CM8	S	PND	TRI T6	T6	GEN	SRC	SY	H	6.3	450	300	2.0	200	600K	6.0	2.6	9FZ							
5EA8	S	PND	TRI T6	T6	MIX	SRC	GE	H	4.7	600	330	3.1	125	80K	5.0	2.6	9AE							
5EU8	S	PND	TRI T6	T6	MIX	SRC	RA	H	4.7	600	330	3.1	125	80K	5.0	2.6	9JF							
6EA8	S	PND	TRI T6	T6	MIX	SRC	GE	H	6.3	450	330	3.1	125	80K	5.0	2.6	9AE							
6EU8	S	PND	TRI T6	T6	MIX	SRC	RA	H	6.3	450	330	3.1	125	80K	5.0	2.6	9JF							
9EA8	S	PND	TRI T6	T6	MIX	SRC	GE	H	9.5	300	330	3.1	125	80K	5.0	2.6	9AE							
19EA8A	S	PND	TRI T6	T6	MIX	SRC	SY	H	18.9	150	330	3.1	125	80K	5.0	2.6	9AE							
5FV8	S	PND	TRI T6	T6	IFA	SRC	SY	H	4.7	600	330	2.3	125	200K	5.0	2.0	9FA							
6FV8A	S	PND	TRI T6	T6	GEN	SRC	WH	H	6.3	450	330	2.3	125	200K	5.0	2.0	9FA							
19HV8	S	PND	TRI T6	T6	AFA	SRC	GE	H	18.9	150	330	3.0	125	200K	5.5	2.4	9FA							
19Q9	S	PND	TRI T6	T6	MIX	SRC	SY	H	18.9	150	330	3.0	125	200K	5.0	2.4	10H							
6AU8A	S	PND	TRI T6	T6	GEN	SRC	GE	H	6.3	600	300	3.0	200	150K	7.5	3.4	9DX							
68H8	S	PND	TRI T6	T6	GEN	SRC	GE	H	6.3	600	300	3.0	200	150K	7.0	2.4	9DX							
8AU8A	S	PND	TRI T6	T6	GEN	SRC	SY	H	8.4	450	300	3.0	200	150K	7.5	3.4	9DX							
88H8	S	PND	TRI T6	T6	GEN	SRC	GE	H	8.4	450	300	3.0	200	150K	7.0	2.4	9DX							
12AU8	S	PND	TRI T6	T6	GEN		TS	H	12.6	300	300	3.0	200	150K	7.5	3.4	9DX							
12CT8	S	PND	TRI T6	T6	VHF	SRC	GE	H	12.6	300	300	2.8	200	150K	7.5	2.4	9DA							
7060	S	PND	TRI T6	T6	RFA	SRC	RC	H	13.5	280	300	3.0	200	150K	7.1	2.5	9DA							
7199	S	PND	TRI T6	T6	VA	SCO	RC	H	6.3	450	330	3.0	220	400K	5.0	2.0	9JT							
6JZ8	S	PND	TRI T9	T9	VDA	RCD	GE	H	6.3	1200	250	70	120	12K	11.0	7.0	12DZ							
6FY8	S	PND	TRI T6	T6	HF		#HY	H	6.3	1200	150	8.0	125	5000			9EX							
12FY8	S	PND	TRI T6	T6	HF		#HY	H	12.6	600	150	8.0	125	5000			9EX							
18DZ8	S	PND	TRI T6	T6	PA		SO	H	18.0	300	150	6.5	145				9EX							
35DZ8	S	PND	TRI T6	T6	PA		SO	H	35.0	150	150	6.5	145				9EX							
25FY8	S	PND	TRI T6	T6	HF		#HY	H	25.0	300	150	8.0	125	5000			9EX							
50FY8	S	PND	TRI T6	T6	HF		#HY	H	50.0	150	150	8.0	125	5000			9EX							
6GV8	S	PND	TRI T6	T6	VA		AM	H	6.3	900	250	75	170	25K			9LY							
9GV8	S	PND	TRI T6	T6	VA		AM	H	9.5	600	250	75	170	25K			9LY							
6GJ8	S	PND	TRI T6	T6	DSC	SCO	SY	H	6.3	600	330	2.5	125	150K	8.0	2.4	9AE							
5GH8	S	PND	TRI T6	T6	DSC	SRC	GE	H	4.7	600	350	2C	125	200K	5.5	2.6	9AE							
6GH8	S	PND	TRI T6	T6	DSC	SRC	GE	H	6.3	450	350	20	125	200K	5.5	2.6	9AE							
6GH8A	S	PND	TRI T6	T6	OSC	SCO	RC	H	6.3	450	350	20	125	200K	5.0	3.4	9AE							

CHARACTERISTIC LISTING - CCNUTED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT CHARACTERISTICS		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.		
									V	MA	V	MA	W	EB V	T8 MA	GM UMHO	MU	RP OHMS	IN	OUT			
PENTODE WITH TRIODE -CONTINUEO-																							
6JN8	S	PND	TRI T6	T6	VA	SRC	GE	H	6.3	450	300				125	12	7500		200K	5.5	3.4	9FA	
19JN8	S	PND	TRI T6	T6	RFA	SRC	GE	H	18.9	150	300				2.5	125	12	7500		200K	3.2	2.2	9FA
19KC8	S	PNO	TRI T6	T6	MIX	SRC	GE	H	18.9	150	300				2.5	125	12	7500		200K	5.5	3.4	9LY
8102		PNO	TRI T6	T6	GEN	SRC	GE	H	13.5	230	330	20			2.5	125	12	7500		200K	5.5	3.4	9PJ
7258	S	PNO	TRI T6	T6	RFA	SCD	SY	H	13.5	210	330				2.3	125	12	7800		170K	7.0	2.4	9DA
10C8	S	PNO	TRI T6	T6	GEN	SCD	GE	H	10.5	300	300	55			2.2	135	12	8000		190K	7.0	2.2	90A
5DH8		PND	TRI T6	T6	IFA	SCD	GE	H	5.2	600	300				2.2	125	14	8600		150K	6.5	2.2	9EG
6AW8A	S	PNO	TRI T6	T6	VHF	SRC	SY	H	6.3	600	300				3.2	200	13	9000		400K	10.0	3.6	9DX
68A8A	S	PNO	TRI T6	T6	VHF	SRC	SY	H	6.3	600	300				3.2	200	13	9000		400K	10.0	3.6	9DX
8AW8A	S	PND	TRI T6	T6	VHF	SRC	SY	H	8.4	450	300				3.2	200	13	9000		400K	10.0	3.6	9DX
88A8A	S	PND	TRI T6	T6	VHF	SRC	RA	H	8.4	450	300				3.2	200	13	9000		400K	10.0	3.6	9DX
6KS8	S	PNO	TRI T6	T6	AFA	SRC	SY	H	6.3	600	330				3.8	150	20	9500		150K	10.0	3.6	9DX
8KS8	S	PNO	TRI T6	T6	AFA	SRC	SY	H	8.4	450	330				3.8	150	20	9500		150K	10.0	3.6	9DX
6GW8	S	PND	TRI T6	T6	AFA	SRC	AM	H	6.3	700	300	55			9.0	250	36	10000		45K	10.0	9.5	9LZ
6CX8	S	PNO	TRI T6	T6	VHF	SRC	GE	H	6.3	750	330				5.0	200	24	10000		70K	9.0	4.4	9DX
8CX8		PND	TRI T6	T6	VHF	SRC	GE	H	8.0	600	330				5.0	200	24	10000		70K	9.0	4.4	9DX
7716		PNO	TRI T6	T6	VA	SRC	GE	H	13.6	350	330				5.0	200	24	10000		70K	9.5	4.4	9DX
6HL8		PNO	TRI T6	T6	IFA	SCD	SY	H	6.3	600	330				2.5	125	12	10000		150K	7.5	2.3	9AE
6KT8		PNO	TRI T6	T6	IFA	SRC	SY	H	6.3	600	330				2.5	125	12	10000		150K	7.5	2.2	9QP
6JV8	S	PNO	TRI T6	T6	VHF	SRC	TS	H	6.3	600	330				4.0	200	22	10700		150K	8.0	3.2	9DX
9JV8		PND	TRI T6	T6	VHF	SRC	TS	H	9.5	600	330				4.0	200	22	10700		150K	8.0	3.2	9DX
6DX8	S	PNO	TRI T6	T6	PA	SCD	RE	H	6.3	720	300	40			4.0	170	18	11000		100K			9HX
10DX8	S	PNO	TRI T6	T6	PA	SCD	AM	H	10.2	450	300	40			4.0	170	18	11000		100K			9HX
6GN8	S	PNO	TRI T6	T6	IFA	SRC	SY	H	6.3	750	330				5.0	200	25	11500		60K	11.0	4.2	9DX
8GN8	S	PND	TRI T6	T6	IFA	SRC	SY	H	8.0	600	330				5.0	200	25	11500		60K	11.0	4.2	9DX
10GN8	S	PNO	TRI T6	T6	IFA	SRC	TS	H	10.5	450	330				5.0	200	25	11500		60K	11.0	4.2	9DX
4FS7		PNO	TRI T5	T5	CON	SCD	MU	H	4.6	600	250	18			2.0	170	10	12000			6.0	3.5	9MP
5KE8	+	PND	TRI T6	T6	MIX	SCD	RC	H	5.6	450	280	20				125	10	12000		125K	5.0	3.4	9DC
6KE8	+	PNO	TRI T6	T6	MIX	SCD	RC	H	6.3	400	280	20				125	10	12000		125K	5.0	3.4	9DC
6JE8	S	PNO	TRI T6	T6	VHF	SRC	PL	H	6.3	780	330				5.0	250	22	12000		140K	10.0	3.6	9DX
8JE8		PNO	TRI T6	T6	VHF	SRC	PL	H	8.2	600	330				5.0	250	22	12000		140K	10.0	3.6	9DX
11JE8		PND	TRI T6	T6	VHF	SRC	PL	H	10.9	450	330				5.0	250	22	12000		140K	10.0	3.6	9DX
5HG8		PND	TRI T6	T6	VHF	SRC	SY	H	5.3	450	250	20			2.2	170	10	12000		350K	6.0	3.5	9MP
6GD7		PND	TRI T6	T6	MIX	SCD	SY	H	6.3	380	250	20			2.2	170	10	12000		350K	6.0	3.5	9GF
6HG8		PNO	TRI T6	T6	CON	SCD	MU	H	6.3	340	250	18			2.0	150	10	12000		350K	6.0	3.6	9MP
7HG8		PNO	TRI T6	T6	CON	SCD	MU	H	7.2	300	250	18			2.0	150	10	12000		350K	6.0	3.6	9MP
8HG8		PNO	TRI T6	T6	CON	SCD	MU	H	8.0	300	250	18			2.0	150	10	12000		350K	6.0	3.6	9MP
6E88	S	PNO	TRI T6	T6	VHF	SRC	SY	H	6.3	750	330				5.0	200	25	12500		75K	11.0	4.2	9DX
6HF8	S	PNO	TRI T6	T6	GEN	SCD	RC	H	6.3	750	330				5.0	200	25	12500		75K	10.0	4.2	9DX
8E88	S	PNO	TRI T6	T6	VHF	SRC	SY	H	8.0	600	330				5.0	200	25	12500		75K	11.0	4.2	9DX

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	EULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT	
PENTODE WITH TRIODE -CONTINUED-																					
10HF8	S	PND	TRI T6	T6	GEN	SCD	RC	H	10.5	450	330	5.0	200	25	12500		75K	10.0	4.2	9DX	
6H2B		PND	TRI T9	T9	VHF	SRC	#PL	H	6.3	1125	330	8.0	250	29	12600		140K	12.0	5.0	9DX	
6JT8		PND	TRI T9	T9	IFA	SCD	SY	H	6.3	725	330	4.0	200	17	20000		50K	13.0	3.0	9DX	
8JT8		PND	TRI T9	T9	IFA	SCD	SY	H	7.7	600	330	4.0	200	17	20000		50K	13.0	3.0	9DX	
10JT8	S	PND	TRI T9	T9	IFA	SCD	SY	H	10.2	450	330	4.0	200	17	20000		50K	13.0	3.0	9DX	
6M11		PND	TTR T9	T9		SCD	GE	H	6.3	750	330	3.1	125	11	13000		200K	12.0	2.8	12CA	
6BD11		PND	TDI T9	T9	VHF	SCD	GE	H	6.3	1050	330	4.0	135	17	10400		45K	11.0	4.6	12DP	
6AS11		PND	TDI T9	T9	VHF	SRC	GE	H	6.3	1050	330	5.0	200	24	10500		70K	9.5	4.4	12DP	
6AF11		PND	TDI T9	T9	IFA	SRC	GE	H	6.3	600	330	5.0	250	24	11000		68K			12DP	
15AF11		PND	TDI T9	T9	IFA	SRC	GE	H	14.7	450	330	5.0	250	24	11000		68K			12DP	
12FR8		PDD	TRI T6	T6	IFA	SCD	TS	H	12.6	320	16			13	2	2700		400K	8.5	5.5	9KU
13J10		PND	GTB T9	T9	PA	SRC	GE	H	13.2	450	275	10.0	250	39	6500		100K	11.0	7.0	12BT	
PENTAGRID SINGLE																					
1R5WA	+	PTG	SIN T5	T5	CON		RC	F	1.2	50	100	0.1	90	900U					7.5	7AT	
7036	S	PTG	SIN T5	T5	GA	SRC	GE	H	6.3	300	250	18	150	6				5.4	7.6	7CH	
1217	S	PTG	SIN T5	T5	DNA		SY	H	6.3	300	250	20	150	6				5.4	7.6	7CH	
12EG6		PTG	SIN T5	T5	RFA	SCD	TS	H	12.6	150	30	20	13	400U				150K	5.7	12.0	7CH
6A7	S	PTG	SIN ST12	T5	CON		RC	H	6.3	300	300	14	250	4				360K	7.0	9.0	7C
6AGT	S	PTG	SIN T9	T9	CON		#HY	H	6.3	300	300	14	250	4				360K	6.0	12.0	8A
788		PTG	SIN T9	T9	CON		RA	H	6.3	300	300	14	250	4				360K	5.0	9.0	8X
12AD6	S	PTG	SIN T5	T5	CON	SCD	TS	H	12.6	150	16	20	13	2				400K	5.5	8.0	7CH
18FX6A		PTG	SIN T5	T5	CON	SRC	SY	H	18.0	100	150	1.0	100	9				400K	8.0	7CH	
1U6		PTG	SIN T5	T5	CON		SY	F	1.4	25	110	4	90	600U				500K	2.0	6.5	7CD
1A7GT		PTG	SIN T9	T9	CON		#HY	F	1.4	50	110	4	90	600U				600K			7Z
1L6		PTG	SIN T5	T5	CON		SY	F	1.4	50	110	4	90	500U				650K			7DC
1LC6	S	PTG	SIN T9	T9	CON		SY	F	1.4	50	110	3	90	750U				650K		5.5	7AK
4BE6		PTG	SIN T5	T5	CON		GE	H	4.2	450	300	14	250	3				1M	5.5	8.0	7CH
3BE6		PTG	SIN T5	T5	CON		GE	H	3.2	600	300	14	250	3				1M	5.5	8.0	7CH
6BE6	S	PTG	SIN T5	T5	CON		RC	H	6.3	300	300	14	250	3				1M	5.5	8.0	7CH
6BA7	S	PTG	SIN T6	T6	CON		RC	H	6.3	300	300	22	250	4				1M	6.7	8.3	8CT
6SA7GT		PTG	SIN T9	T9	CON		TS	H	6.3	300	300	14	250	4				1M	8.0	11.0	BAD
12BA7	S	PTG	SIN T6	T6	CON		RC	H	12.6	150	300	22	250	4				1M	6.7	8.3	8CT
12BE6A	S	PTG	SIN T5	T5	CON		SY	H	12.6	150	300	14	250	3				1M	5.5	8.0	7CH

CHARACTERISTIC LISTING - CCNTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.	
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT		
PENTAGRID SINGLE -CONTINUED-																						
12GA6	S	PTG	SIN	T5	CON	SCO	GE	H	12.6	150	16				12	300U			1M	5.0	8.0	7CH
12SA7GT	S	PTG	SIN	T9	CON	SCO	TS	H	12.6	150	300	14	1.0	250	4				1M	8.0	11.0	8AD
14Q7		PTG	SIN	T9	CON	SCO	SY	H	12.6	150	300	14	1.0	250	4				1M	7.0	9.0	8AL
26D6		PTG	SIN	T5	CON	RC	RC	H	26.5	70	300	14	1.0	250	3				1M	5.8	14.0	7CH
5750	S*	PTG	SIN	T5	CON	GE	GE	H	6.3	300	300.	14	1.0	250	3				1M	5.5	7.6	7CH
3CS6	S	PTG	SIN	T5	GA	SCO	GE	H	3.2	600	300	14	1.0	100	1	1100			1M	5.5	7.5	7CH
4CS6		PTG	SIN	T5	GA	SCO	SY	H	4.2	450	300	14	1.0	100	1	1100			1M	5.5	7.5	7CH
6CS6	S	PTG	SIN	T5	GA	SCO	SY	H	6.3	300	300	14	1.0	100	1	1100			1M	5.5	7.5	7CH
12CS6		PTG	SIN	T5	GA	SCO	SY	H	12.6	150	300	14	1.0	100	1	1100			1M	5.5	7.5	7CH
3BY6	S	PTG	SIN	T5	GA	SRC	GE	H	3.2	600	300		2.0	250	6	1900				5.4	7.6	7CH
6BY6	S	PTG	SIN	T5	GA	SRC	RC	H	6.3	300	300		2.0	250	6	1900				5.4	7.6	7CH
5915A	S	PTG	SIN	T5	ONA	SRC	GE	H	6.3	300	250	70	1.0	150	6	2400				5.4	7.6	7CH
7502	+	PTG	SIN	T5	CON	CON	ST	H	6.3	300	330	16	1.1	250	3	7200			1M	7.5	13.5	7CH
PENTAGRID WITH TRIODE																						
2G21	S	PTG	TRI	T3X2	MIX		RA	F	1.2	50	45	2			22	200U				3.5	3.6	FL
2G22	S	PTG	TRI	T3X2	MIX		RA	F	1.2	50	45	2			22	200U				3.5	3.6	FL
3AJ8		PTG	TRI	T6	CON	SCO	RE	H	3.6	600	550	12	1.7	200	4				1M	4.8	7.9	9CA
12FX8		PTG	TRI	T6	CON	SCO	TS	H	12.6	300	16			13	290U				500K	6.0	5.0	9KV
6DS8		PTG	TRI	T6	CON	CON	RE	H	6.3	300	50	5		25	1	1500			200K			9CA
HEXODE SINGLE																						
7548		HEX	SIN	T6	SEM	SCO	#HY	H	6.3	570	400	20	4.0	400	20	22000				10.0	4.0	9LJ

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS			TYPICAL CHARACTERISTICS				CAPACITANCE PICOFARADS		EIA BASE NO.							
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN		OUT						
HEXODE WITH TRIODE																											
12K8GT		HEX	TRI	T9	MIX	RCO	SY	H	12-6	150	300		0-8	250	2	600K	4-6	4-8	8K								
THYRATRON TRIODE TYPE																											
CK1054		TRI	SIN	T4	THY	GAS	RA	F	1-4	50	45	700U		45	450U		1-2	1-3	FL								
7323		TRI	SIN	T2	THY	GAS	TS	C	1-2	280	80	3		65	2				FL								
395A		TRI	SIN	T4	THY	GAS	TS	C			140	35		75	10				FL								
7401		TRI	SIN	T3	THY	GAS	TS	C			180	8		150	7				FL								
7400		TRI	SIN	T4	THY	GAS	TS	C			180	12		150	7				FL								
5823		TRI	SIN	T5	TRG	GAS	RC	C			200	100		117	25				4CK								
OA4G	S	TRI	SIN	ST12	TRG	GAS	SY	C			225	100		225	25				4V								
6D4	S+	TRI	SIN	T5	THY	GAS	SY	H	6-3	250	350	110		300	25				5AY								
7595	+	TRI	SIN	T3	TRG	GAS	+HY	C			350	400							FL								
7596	S+	TRI	SIN	T3	TRG	GAS	+HY	C			1K	100							FL								
7597	S+	TRI	SIN	T3	TRG	GAS	+HY	C			1K	100							FL								
1258	S*	TRI	SIN	T6	THY	GAS	CH	H	6-3	1800	1K	20A		600	50				7FJ								
5960		TRI	SIN	MT8	TRG	GAS	BE	C			1K	100A		100	90				3Z								
7599	S+	TRI	SIN	T5	TRG	GAS	+HY	C			1K	500A		550					FL								
394A		TRI	SIN	ST14	THY	GAS	CH	F	2-5	3200	1K	2500		1K	640				4AW								
7190	S+	TRI	SIN	T6	THY	GAS	TS	H	6-3	1800	1K	20A		1K	1000				7FJ								
7191	S+	TRI	SIN	T6	THY	GAS	TS	H	6-3	1800	1K	20A		1K	1000				7FK								
7192	S+	TRI	SIN	T6	THY	GAS	TS	H	6-3	1800	1K	20A		1K	1000				7FJ								
3238		TRI	SIN	ST16	THY	GAS	WE	F	2-5	7000	1K	6000		1K	1500				5AU								
393A		TRI	SIN	ST16	THY	GAS	WE	F	2-5	7000	1K	6000		1K	1500				5AV								
3C23		TRI	SIN	ST16	THY	GAS	GE	F	2-5	7000	1K	6000		600	2000				3G								
7598	+	TRI	SIN	T3	TRG	GAS	+HY	C			2K	500A		550					FL								
5594		TRI	SIN	T16	THY	GAS	CH	F	2-5	5000	5K	2000		2K	500				3G								
7600	S+	TRI	SIN	T5	TRG	GAS	+HY	C			6K	500A		500					FL								
7602	S+	TRI	SIN	T5	TRG	GAS	+HY	C			6K	500A		500					FL								

CHARACTERISTIC LISTING - CONTINUED

TUBE TYPE NUMBER	CODE	KIND	TYPE	BULB	USE	TUBE CHAR	REG	K TYPE	TYPICAL FILAMENT		MAXIMUM PLATE CHARACTERISTICS				TYPICAL CHARACTERISTICS					CAPACITANCE PICOFARADS		EIA BASE NO.
									V	MA	V	MA	W	EB V	IB MA	GM UMHO	MU	RP OHMS	IN	OUT		
THYRATRON TETRODE TYPE																						
5643	S*	TET	SIN	T3	THY	GAS	SY	H	6.3	150	500	100	16	150	11	20			1.6	1.5	8DD	
5663		TET	SIN	T5	THY	GAS	GE	H	6.3	150	500	60	20	11	20						6CE	
5696	S	TET	SIN	T5	THY	GAS	GE	H	6.3	150	500	125	28	11	28						78N	
2021W	S+	TET	SIN	T5	THY	GAS	TS	H	6.3	600	1K	500	100	650	100						78N	
502A	S	TET	SIN	MT8	THY	GAS	GE	H	6.3	600	1K	1000	100	650	100				2.5		6BS	
2050W	S+	TET	SIN	T9	THY	GAS	CH	H	6.3	600	1K	1000	100	600	100						6BS	
5727	S*	TET	SIN	T5	THY	GAS	GE	H	6.3	600	1K	500	100	460	100				2.4		78N	
6012		TET	SIN	T12	THY	GAS	RC	H	6.3	2600	1K	5000	500	650	500						6CO	
INDICATOR ELECTRON RAY																						
6977		TRI	SIN	T2	IND		AM	F	1.0	30	65	750U	50	585U							FL	
1M3		TRI	SIN	T3	IND		AM	F	1.4	25	90	300U	0.4	85	170U						FL	
6FG6		TRI	SIN	T6	IND		RE	H	6.3	270	300	3	0.5	250	2							
6BR5	S	TRI	TW	T6	IND		AM	H	6.3	300	300	3	0.2	250	370U							
6DA5	S	TRI	TW	T6	IND		AM	H	6.3	300	300	3	0.2	250	370U							
6E5	S	TRI	DIS	T9	IND		RC	H	6.3	300	250			250	240U						6R	
6AF6G	S	TRI	DIS	T9	IND		RC	H	6.3	150	250			250	2						TAG	
6U5	S	TRI	DIS	T9	IND		RA	H	6.3	300	285			250	240U						6R	
6HU6		TRI	DIS	T6	IND		AM	H	6.3	300	300	5	0.6	250	200U						9GA	
6AL7GT		HEX	SIN	T9	IND		GE	H	6.3	150	365			315							8CH	

6. List of Similar Types of Receiving Tubes

LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES	TYPE NUMBER	SIMILAR TYPES
0A2WA	6073, 6626, 6B30	3AW3	3A3, 3B2
0A3	VR75	3B2	3AW3,
0A4G	1267	3B2B	866A
0R2WA	6074, 6627, 6B31	3AU6	3AU6
0C3	VR105	3BU8	3KF8, 3HSB
003	VR150		
0Z4G	CK1003, CK1024	3BY6	3CS6
1A05	1W5, 1V5, 1AC5	3CB6	3CF6
1B3GT	1G3GT, 1J3	3CF6	3CB6
1DN5	1U5	3CS6	3BY6
		3CY5	3EA5
1G3GT	1B3GT, 1J3		
1J3A	1K3, 1B3	3D6	1299
1K3	1J3A, 1N2A	3EA5	3CY5, 3EV5
1L4	1T4, 1U4, 5910	3ER5	3ES5, 3FH5, 3FQ5, 3GK5
1LC5	1LG5, 1LN5	3ES5	3ER5, 3FH5, 3FQ5, 3GK5
		3FH5	3FQ5, 3FY5, 3GK5
1LC6	1LA6		
1LG5	1LC5, 1LN5	3FQ5	3ER5, 3ES5, 3FQ5, 3FY5, 3GK5
1LN5	1LC5, 1LG5	3FY5	3ER5, 3ES5, 3FH5, 3FQ5, 3GK5
1N2A	1J3A, 1B3GT	3GK5	3ER5, 3ES5, 3FH5, 3FQ5, 3FY5,
1N5GT	1P5GT	3GS8	3HS8
		3HS8	3GS8
1S5	1LD5, 1U5		
1T4	1L4, 1U4, 5910	3KF8	3BU8, 3HSB
1U4	1L4, 1T4, 5910	3Q4	3S4, 3V4
1U5	1DN5	3S4	3Q4, 3V4
2A3	45, 5930	3V4	3S4, 3Q4
		4B32	872A
2AF4A	2DZ4, 2T4		
2C51	407A, 5670, 6021, 6385, 7861	4AU6	4BA6
2C53	7235	4AU6	4AU6
2CW4	2D54	4BC8	48Q7, 48SB, 4BZ7
2CY5	2EA5, 2EV5, 2FV6	4BQ7	4BC8, 4BS8, 4BZ7
		4BS8	4BC8, 4BQ7, 4BZ7
2D21W	5727		
2D54	2CW4	4BU8	4HS8, 4KF8
2E26	6893	4BZ6	4CB6, 4DE6
2E35	CK502AX	4BZ7	4BCB, 4BQ7, 4BSB
2EA5	2CY5, 2EV5	4CB6	4BZ6, 4DE6
		4CE5	4BZ6, 4DE6
2ER5	2GK5, 2ES5		
2ES5	2ER5, 2GK5	4DE6	4CE5, 4DZ6
2FQ5	2ES5, 2FY5	4EW6	4GM6
2FY5	2FQ5, 2ES5	4GM6	4EW6
2G21	2G22	4GS8	4GS8
		4HS8	4BU8, 4GSB, 4KF8
2G22	2G21		
2GK5	2ER5	4KF8	4BU8, 4GSB, 4HSB
2T4	2AF4A, 2DZ4	5A6	7973
3A3	3AW3, 3B2	5AN8	5AV8, 5B8, 5CMB
3AU6	3BA6	5AS4A	5U4CA, 5AX4, 5W4, 5AZ3, 5931
		5AT8	5CG8, 5X8

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER		SIMILAR TYPES	
5AU4	5AS4, 5T4, 5U4, 5931	6AG7	6AK7, 6BA6, 6BC5, 6BD6, 6CB6
5AV8	5AN8, 5BB	6AH6	6186, 7314
5AW4	5U4GA, 5931	6AJ4	6485
5AZ3	5AS4A, 5U4, 5W4, 5931	6AJ5	7137, 6F6
5AZ4	5T4, 5Y3GT		
5BB	5AN8, 5AVB	6AK5	5591, 602B, 5654, 6968, 7430
5BR8	5BR8, 5UB	6AL5	5726, 6663
5BQ7	5BS8, 5BZ7	6AN4	6J4WA
5BR8	5BR8, 5UB	6ANB	6AZ8, 6CH8, 6CUB, 7253
5BS8	5BQ7, 5BZ7	6AQ5	6005, 6094, 6669
5BZ7	5BQ7, 5BS8	6AQ6	6AT6, 6CN7
5CG8	5ATB, 5XB	6AR5	7B5
5CL8	5CQ8, 5FV8	6AR6	609B,
5CM6	5V6	6AR8	6JHB
5CM8	5AN8	6AS6	6BJ6, 5I25, 5784WA, 61B7, 6662
5CQ8	5CL8	6AST6A	599BA, 60B0WA, 60B2, 6394, 6520
5DJ4	5DN4, 5V3	6AT6	7501, 7236
5DN4	5DJ4, 5V3	6AT8A	6AQ6, 6AV6, 6CN7
5EA8	5EH8, 5EU8, 5GH8	6AU4GA	6CG8, 6X8A
5EH8	5EA8, 5EU8, 5GH8		6DA4
5EU8	5EH8, 5GH8	6AU6	68A6, 6136, 7543
5FVB	5CLBA	6AUB	6BH8, 7060
5GHB	5EHB, 5EUB	6AV5	68Q6, 6CU6, 6FH6
5R4GYA	5AX4	6AV11	6Q11
		6AW8	6BA8, 6KS8
5T4	5AS4, 5AZ4, 5U4, 5V3A, 5Y3GT, 5931	6AX3	6BE3
5U4	5AZ3, 5AS4, 5W4, 5AW4, 5931	6AX4GT	6DA4A, 6W4GT
5UB	5BE8, 5BR8	6AX5GT	5Z4, 6007, 5Y3
5V3	5DN4	6AY3A	6DW4
		6AZ8	6AN8
5V4	5Y3WGT, 6087	6BA6	5749, 6660, 7496
5V6GT	5CM6,	6BA7	6S87
5X4G	5U4, 5Y4GA	6BA8	6KS8
5X8	5AT8, 5CG8, 5U8	6BC5	6AG5, 61B6
5Y3GT	5AZ4, 5T4, 5Z4, 5690, 6087	6BC7	6BJ7
5Y4GA	5X4G	6BC8	6BZ7, 6DQ7, 6BS8, 6CH7, 7057
5Z3	5U4, 5X3	6BD6	6SK7WA, 7A7, 6137
5Z4	5Y3, 6AX5, 5690, 6087	6BE3	6AX3
6A7	6A8GT	6BE6	6CS6, 5750
6A8GT	6A7	6BE8	6BR8, 6U8, 6678
6A84	6664	6BF6	6BU6, 6SR7,
6AC7	6AB7, 1852, 6134	6BH6	6065, 6265, 6661
6AF4A	6T4	6BH8	6AU8
6AF6G	6355	6BJ6	6AS6, 6662
6AG5	6BC5, 6186	6BJ7	6BC7

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES	TYPE NUMBER	SIMILAR TYPES
68K7A	12AV7	6DA5	6BR5
6BL7GT	68X7, 6SN7GT, 5632, 6CG7	6DB5	6CS5
6BL8	9A8	6DE4	6CQ4, 6DA4
6RQ6	6AV5, 6CU6, 6DW5, 6FH6	6DE6	6RZ6, 6676
6BQ7A	6BC8, 6BS8, 6BZ7, 6CX7	6DG6	6W6, 6CS5
6BR5	6DA5	6DJ8	6FW8, 6922, 7308
6BR8	6BE8, 6U8, 6678	6DK6	8136
6BS8	6BC3, 6CH7, 7057	6DM4	6AU4, 6DA4, 6DQ4
6BU8	6HS8, 6KF8	6DQ4	6CQ4, 6DA4, 6DE4
6BW4	7Z4, 6203, 6754	6DR4	12AX7, 6681
6BX7	6BL7	6DR7	6DE7
6BY6	6CS6, 5915A, 7036	6DS4	6CW4
6BZ6	6DE6, 6676	6DM4	6AY3A
6BZ7	6BC8, 6BS8, 6BQ7, 6CH7, 7057	6DW5	6BQ6,
6BZ8	6KN8	6DX8	6GN8
6C4WA	6100, 6135	6E5	6T5, 6U5
6C5	6J5	6EA5	6CY5
6C6	6J7, 1620	6EAT	6GL7, 6EM7
6CB5	6CL5	6EAB	6EUB, 6GH8
6CB6	6DE6, 6676, 7056, 7732	6E88	6GN8, 6HF8
6CD6	6EX6	6EM7	6EAT, 6GL7
6CE5	6AN5, 6DE6	6ER5	6GK5
6CF6	6CB6, 7056	6ES5	6FQ5, 6FY5
6CG7	6SN7, 5692	6ES6	6ET6
6CG8	6AT8, 6X8A	6ET6	6ES6
6CH8	6AN8, 6CU8	6EW6	6CB6, 6CF6, 6DK6, 6DE6, 6676,
6CL5	6CB5	6EW7	7056, 7732
6CL6	12BY7, 6197, 6677	6EZ5	6CM6, 6V6, 5992
6CL8A	6CQ8,	6F6GT	6AJ5, 42
6CM6	6EZ5, 6V6, 5992	6FD7	6EW7
6CM8	6AN3, 6CH8, 6CU8, 6EA8	6FQ5	6ES5, 6FY5
6CN7	6AQ6, 6AT6,	6FV8	6CL8, 6CQ8
6CQ4	6DE4, 6DQ4	6FW8	6DJ8, 7803
6CQ8	6CL8, 6FV8	6FY5	6ES5, 6FQ5
6CS5	6DB5, 6DG6, 6W6GT	6GE8	7734
6CS6	6BY6, 5915A, 5750	6GH8	6JN8
6CU6	6AV5, 6BQ6, 6FH6	6GJ5	6GT5, 6GW6
6CU8	6AN8, 6CH8	6GK5	6ER5
6CW4	6DS4	6GL7	6EAT
6CX7	6BQ7A	6GN8	6EB8, 6JE8
6CX8	6CW8	6GS8	6HS8
6CY5	6EA5, 7167, 7717	6GT5	6GJ5, 6GW6
6CZ5	6973	6GW6	6GJ5, 6GT5
6D4A	6DE4	6GN8	6CX8, 6JV8
6DA4	6AU4GT, 6AX4GT, 6DM4, 6DQ4		

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES	TYPE NUMBER	SIMILAR TYPES
6GX6	6GY6	7Y4	6X4, 6X5, 5993, 6202
6HF8	6E88	7Z4	6BW4, 6754
6HS8	68U8, 6GS8, 6KF8	8AU8	8BH8
6J4WA	6AN4, 7137, 7245A	8AW8	8BA8, 8KS8
6J6	5844, 5964, 6099, 6101	88A8	8AW8, 8KS8
6J7GT	6C6, 6D6, 6U7, 1620, 5879	8BH8	8AU8
6JE8	6GN8	8CG7	8SN7
6JH8	6AR8	8E88	8GN8, 8JE8
6JN8	6GH8	8GN8	8E88, 8JE8
6JV8	6GW8, 6CX8	8JE8	8E88, 8GN8
6K6GT	5686	8KS8	8AW8, 8BA8
6K11	6Q11	8SN7GT8	8CG7
6KF8	68U8, 6HS8	10C8	7258
6KN8	68Z8	10DE7	10DR7
6KS8	6AW8, 68A8	10DR7	10DE7
6L6G8	5881, 5932, 7311	10E88	10GN8
6Q11	6K11	10EW7	10FD7
6SA7GT	68A7, 68E6	10FD7	10EW7
6SC7	6851	10HF8	10JT8, 11JE8
6SG7	6SH7,	10JT8	10HF8, 11JE8
6SH7GT	6SG7GT	11JE8	10HF8, 10JT8
6SJ7WGT	6SK7, 5693, 6137	12A85	12CM6, 12V6, 7061
6SK7WA	68D6, 6SJ7, 7A7, 5693, 6137	12AC6	12AF6
6SL7WGT	6SU7, 5691, 6113, 6188	12AD6	12AG6, 12EG6, 12FA6
6SN7GT8	6J5, 5692	12AD7	12AX7, 12DF7, 6681, 7025
6SU7GTY	6SL7, 7F7, 5691, 6113, 6188	12AF6	12AC6
6T4	6AF4A	12AE6	12AD6, 12AG6, 12EG6
6T8	6V8	12AJ6	12EL6
6U4	6AX4, 6W4	12AL5	7055
6U5	6E5, 6T5	12AT6	12AV6, 12BK6
6U8A	6BE3, 68R8, 6678, 7059, 7731	12AT7	12AZ7, 12DT8, 6201, 6679, 7728
6V6GT	6CM6, 5992, 7408	12AU6	6265, 6661
6V8	6T8	12AUA	5814A, 5963, 6189, 6680, 7730
6W4GT	6AX4, 6U4,	12AUA	12CT8, 7060
6W6GT	6CS5, 6D66	12AV5	12CU6
6X4WA	7Y4, 5993, 6202, 6203, 6754	12AV6	128K6, 18FY6
6X5GT	6X4WA, 7Y4, 5852, 5993, 6202	12AV7	68K7A, 5965, 6829
6X8A	6AT8, 6CG8	12AW6	6AG5, 68H6
6Y6GA	6U6, 25C6	12AX3	128E3
7A6	5679	12AX4GT	6W4GT, 12D4
7A7	68D6, 6SK7, 7L7, 6137	12AX7	6DR4, 12AD7, 12DF7, 12DT7, 6681
7AK7	6888	7025, 7058	7025, 7058
785	6AR5	12AY7	6072
7DJ8	7ES8	12AZ7	12AT7, 12DT8, 6201, 6679
7ES8	7DJ8	128A6	5749, 6660

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES	TYPE NUMBER	SIMILAR TYPES
128A7	12SA7	14F7	12SL7, 14AF7
128D6	12SK7,	14GT8	14JG8, 7724
12AX3	12BE3	14JG8	14GT8, 7724
12BF6	12BU6, 26C6	17AX3	17BE3, 17BH3
128H7A	6350	17BE3	17AX3, 17BH3
128Q6	12AV5, 12CU6, 12DW5	178H3	17AX3, 17BE3
128V7	12BY7, 7733	17DE4	17D4, 17DM4, 17DQ4
128Y7	12BV7, 12DQ7, 6677, 7054, 7733	17D4	17DE4, 17DM4
128Z6	8077	17DM4	17DQ4, 17DE4
	6676	17DQ4	17DM4
12C5	12CU5, 12DM5	17GJ5	17GF5, 17GM6
12CM6	12AB5, 12V6	17GT5	17GJ5, 17GM6
12CT8	12AU8, 7060	17GW6	17GJ5, 17GT5
12CU5	12C5, 12DM5	17L6GT	17M6GT
12CU6	12AV5, 12BQ6	18FW6	18GD6
12DL8	12DS7A	18GD6	18FW6
12DM4	12D4A, 12DQ4	19JN8	19KGB
12DQ4	12D4A, 12DM4	19KGB	19JN8
12DQ7	12B47, 12BV7, 7054, 7733, 8077	19Q9	19HV8, 19JN8
12DT7	12AX7	19T8	19VB
12DT8	12AZ7, 12AT7, 6201, 6677	25AV5GA	25CU6
12DW5	12BQ6, 12CU6	25AX4GT	25W4
12DW7	7247	25C5	25CA5
12EG6	12AD6, 12AG6, 12FA6	25C6	26E6WG
12EL6	12AJ6	25CA5	25C5
12EN6	12L6, 12W6	25C6	25EC6
12FK6	12FM6	25CU6	25AV5
12FM6	12FK6	25EC6	25CD6
12GJ5	12G15, 12GW6	25L6GT	25W6, 6046
12GT5	12GJ5, 12GW6	25W4GT	25AX4
12GW6	12GJ5, 12GT5	25W6GT	25L6, 6046
12J5WG7	12G4, 12H4	25Z6GT	25Z5, 50X6, 50Y6
12L6	12EN6, 12W6	26C6	128F6
12SA7GT	12BA7	26E6WG	25C6
12SC7	5751, 6851	32ET5	34GD5
12SG7	12SH7	34GD5	32ET5
12SH7	12SG7	35B5	35C5
12SJ7	12SK7	35C5	35B5
12SK7GT	12HD6, 12SJ7GT, 5693, 6137	35W4	36AM3
12SL7GT	14F7	36AM3	35W4
12SQ7GT	12SR7	50B5	32ET5, 50C5
12V6GT	12AB5, 12CM6	50C5	50B5
12W6GT	12EN6, 12L6	50X6	25Z6GT, 50Y6GT
13DE7	13DR7	50Y6GT	25Z6GT, 50X6
13DR7	13DE7	117L7GT	117M7

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES	TYPE NUMBER	SIMILAR TYPES
408A	6028	5889	5886
CK502AX	2E35	5896	5903, 6110
502A	2050W	5899	6206
CK512AX	6281	5902	6224, 7762
1216	5844	5903	5896, 6110
1217	5915A, 7036	5905	5907
1258	7190, 7191, 7192	5906	5840, 6205
1620	6J7, 6C6	5907	5905
2050W	502A	5910	1L4, 1T4, 1U4
5636	5916, 6944	5915A	68E6, 6CS6, 1217, 7036
5641	7436	5916	5636, 6944
5643	5696	5931	504, 5AS4
5654	6AK5, 7083, 7430	5932	6L6, 807, 5881
5670WA	2C51, 6854, 6385, 6021, 7861	5933	807, 6L6
5676	6050	5964	6J6, 6099, 6101
5686	6K6GT	5965	6829
5687WA	6900, 7370, 7044	5977	6946
5690	5Z4, 6AX5GT, 6087	5992	6CM6, 6V6, 7408
5691	6SL7, 6113, 6188, 6SUT	5993	6X4, 6X5, 7Y4, 6202, 6203
5692	6SN7, 6CG7	5998A	421A, 7236
5693	6SJ7, 6SK7	6005	6AQ5, 6095, 6669
5696	5643	6021	68F7
5702W8	6AK5, 6540, 7083, 7430	6028	408A
5725	6AS6, 6187	6046	25L6, 25W6
5726	6AL5, 6097	6050	5676
5727	2021	6072	12AY7
5744	6247	6073	0A2WA, 6626, 6830
5749	6AU6, 68A6, 6660	6074	082WA, 6627
5750	68E6, 6CS6	6080	6AS7, 6082, 6520, 7105
5751	12SC7, 12AX7, 7494	6082	6AS7GA, 6080, 6520, 7105
5755	420A	6087	5Y3WCTA, 5Z4, 5690, 6AX5, 5V4
5763	6417, 6159, 6146	6094	6AQ5, 6005, 6095, 6669
5784WA	6AS6, 5725, 6486	6096	6AR6
5814A	12AU7, 6189, 6680, 7489, 7730	6099	6J6, 6101, 5964
5824	2586G	6100	6C4WA, 6135
5838	5839, 5852	6101	6J6, 5964, 6099
5839	5838, 5852	6106	6853
5840	6205, 5906	6110	5896, 5903
5842	417A	6111	7079
5844	6J6, 1216, 6211	6112	7889
5847	404A	6134	6A87, 6AC7
5852	5838, 5839	6135	6C4WA, 6100
5879	6J7	6136	6AU6, 7543
5881	6L6, 5932	6137	6BD6, 6SK7GT, 7A7
5886	5889	6146	6159, 6883, 8032

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LIST OF SIMILAR TYPES OF RECEIVING TUBES *

TYPE NUMBER	SIMILAR TYPES	TYPE NUMBER	SIMILAR TYPES
6159	6146, 7357, 8032	6677	6CL6, 128Y7, 6197
6186	6AG5, 6AK5, 68C5	6678	6883, 68E8, 608
6187	6AS6, 5784	6680	12AU7, 5814A, 6189
6188	6SL7, 6SU7, 6113	6681	12AD7, 12AX7, 12DF7, 7025
6189	12AU7, 5814A, 6680, 7730	6679	12AT7, 12AZ7, 12D18, 6201, 7728
6197	6CL6, 128Y7, 6677	6829	5965
6201	12AT7, 12AZ7, 12D18, 6679, 6202	6832	5755
6202	6754	6840	6463
6202	6X4, 6X5, 7Y4, 5993, 6203, 6754	6842	7234
6203	68W4, 6X4, 6X5, 7Y4, 5993, 6202, 6754	6883	6146, 6159, 7357, 8032
6205	5840, 5906	6888	7AK7
6206	5899	6893	2E26
6211	5844	6900	5687, 7044
6224	5902, 7762	6922	6DJ8, 6FW8, 7308, 7803
6245	6540	6943	5636, 6944
6247WA	6533	6944	5636, 6943
6265	68H6, 12AU6, 6661	6946	5977
6281	CK512AX	6947	2C51, 5670
6293	7358	6973	6CZ5
6299	7644, 7784	7025	12AD7, 12AX7, 12DF7, 6681
6350	128H7, 6463, 6913	7036	68Y6, 5915A
6385	2C51, 5670, 6021, 6854	7044	5687, 6900, 128Y7, 8077
6417	5763	7054	12AL5
6418	CK548DX	7055	6C86, 6CF6
6436	CK1036	7056	68C8, 68Q7, 68S8, 68Z7
6419	CK549DX	7057	12AX7
6437	CK1037, 6438	7058	608, 7731
6438	6437	7060	12AU8, 12CT8
6463	6350, 6840	7061	12A85
6485	6AH6	7079	6111
6520	6AS7GA, 6080, 6082, 7105	7083	6AK5, 5702
6533A	6247WA	7105	6AS7, 6080, 6082, 6520
6540	5702	7167	6CY5, 7717
6626	0A2, 6073, 6830	7190	1258, 7191, 7192
6627	082, 6074, 6831	7191	1258, 7190, 7192
6659	CK1042, CK1027	7192	1258, 7190, 7191
6660	68A6, 12BA6, 5749	7199	7687
6661	68H6, 12AU6, 6265	7212	7358
6662	68J6, 7694	7234	6842
6663	6AL5, 5726	7235	2C53
6664	6AB4	7236	5998A
6669	6AQ5, 6005	7247	12DW7
6676	12826	7258	6AN8
		7308	6DJ8, 6FW8, 6922, 7803

* THE TUBES IN THIS LISTING ARE SIMILAR BUT NOT NECESSARILY INTERCHANGEABLE IN EITHER ELECTRICAL OR MECHANICAL CHARACTERISTICS. A COMPARISON OF THE DATA FOR EACH TUBE MUST BE MADE BEFORE SUBSTITUTING ONE TYPE FOR ANOTHER.

TYPE NUMBER	SIMILAR TYPES	TYPE NUMBER	SIMILAR TYPES
7327	7550	8077	128Y7, 7054
7357	6146, 6159, 6083, 8032	8136	60K6
7358	6293, 7212	8185	8186
7370	5687, 6900, 7044	8186	8185
7408	6CM6, 6V6	9003	5590
7430	6AK5		
7436	5641		
7489	12AU7, 5814A, 6189, 6680, 7730		
7492	12AT7, 12DT8, 6201, 6679, 7728		
7494	12AX7		
7496	68A6, 5749, 6660		
7543	6136		
7550	7327		
7551	7558		
7558	7551		
7588	7763		
7596	7597		
7597	7596		
7599	7600, 7602		
7600	7599, 7602		
7602	7599, 7600		
7626	CK578AX		
7644	7784, 6299		
7687	6AN8, 7199		
7694	6662		
7695	7754		
7717	6CY5, 7167		
7724	14GT8, 14JG8		
7728	12AT7, 6201, 6679		
7730	12AU7, 6189, 6680, 7489		
7731	6U8, 7059		
7732	6C86, 6CF6, 7056		
7733	128Y7, 7054, 8077		
7734	6GEQ		
7754	7695		
7755	6AJ4, 7137		
7760	7887		
7762	5902, 6224		
7768	7588		
7784	6299		
7803	6DJ8, 6FW8, 6922, 7308		
7861	2C51, 5670		
7887	7760		
7889	6112		
7973	5A6		

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7. EIA Basing Connections

EIA BASE CONNECTIONS

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
2B	F	F											P	
3C	IC	F	IC		IC		F	IC					P	
3G	F		G1	F									P	
3K	FCT	F		F									P	
4C	F	P2	P1	F										
4D	F	P	G1	F										
4G	H	P	K	H										
4P	F			F										
4R			P1		P2			K						
4V		K			P		G1							
4Z	H	P					K	H						
4AA	F	P			IC	G1		F						
4AH	H	IS		P			K	H						
4AJ		K			P									
4AT		F		F									P	
4AW		F		G1			F						P	
4BJ	H	P	K	H										
4CB	IC		H	H	P	K								
4CG	IC	IC	K		P		H	H						
4CK	P	IC	K	G1	IC	IC	K							
4CN	P	K		K			K							
5L		H		P1		P2		H	K					
5Q			P1		P2		F	F						
5S	IS	F	P		G1		F							

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
5T	IS	F		P1		P2		F						
5Y	IS	F	P	G2			F	G3					G1	
5Z	IS	F	1P		2P		F						1G1	
5AB	H		2P			1P	K	H						
5AD	F	P	G2	IC		G1		F	G3					
5AL	H	P		HCT			K	H						
5AP	H	P	K		IC	P	H							
5AQ	IS		2P		1P	F		F						
5AU	F2	F2	G1	F1	F1								P	
5AV	F2	F2		G1			F1	F1					P	
5AW	H	G2	G1	K	H								P	
5AY	G1		H	H	K		P							
5BB	H	G2	G3	H	K								G1	P
5BC	H	P	G1	H	K									
5BF	F2	P	G2			G1	F1	F1	G3					
5BG	H1	K	P	H2	H2									
5BJ	IS	F		G2	G1		F	G3					P	
5BO	P	K	IC	K	P	IC	K							
5BQ			H	H	P	HCT	K							
5BS	P2		H	H		P1	K							
5BT	IS	H	K	G3	G1		H	G2					P	
5BU	K	K		G1	K	K							P	

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
5CE	P	IS	H	H		G1	K							
5DC	H	P	K	H	P									
5DA	IC	H		2P	1P			H	K					
5DE	F	IC	F		2P		1P							
6F	H	P	G2	G3	K	H							G1	
6Q	SH	H	P		G1			H	K					
6R	H	D	G1	T	K	H								
6S	IS	H	2P		1P			H	K					
6X	IS	F	P	G2	G1			F						
6AA	H	P	G2			G1	K	H						
6AD	IS	H	HCT		P			H	K					
6AE	H	P	G2			G1	K	H						
6AM	IS	H		G2	G1			H	K				P	
6AR	F	P	G2	IC	F	G1	F							
6AU	F													
6AX	F	1P	1G2	2P		1G1		F						
6BA	F	P	G2			G1	FCT	F						
6BB	F	P	G2			G1	FCT	F						

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
6BG	P	IC	H	H	P	G1	K							
6BH	P	K	H	H	P									
6BM	H	IS	G2	G1	G3	K	H						P	
6BQ	K		P		G2	H	G1	H						
6BS	IS	H	P		G1	G2	H	K						
6BT	1K	2P	H	H	2K	IS	1P							
6BU	HCT	H		G2		G1	H	K					P	
6BW	F	1P	1G2	2P		1G1	F							
6BX	F	P	G2	IC	FCT	G1	F							
6CC	G1	K	H	H	P	G2								
6CE	G1	K	H	H	G2									
6CG	P	K	H	H	P	G1								
6CJ		P	H	P	K	H		P						
6CK	G1	H	K		P		H	G2						
6CL	F		P		FCT	G2	F	G1						
6CN	2K	H	IC	2P	1P		H	1K						
6CO	K	H	G1		P		H	G2						
7B	H	2P	2G1	K	1G1	1P	H							
7C	H	P	G3	G2	G1	K	H						G4	
7Q	IS	H	2P	2K	1P		H	1K						

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP
7R	SH	H	P	G2	G3		H	K					G1
7S	IS	H	P	G2	G1		H	K	G3				
7Z	IS	F	P	G3	G1	G2	F						G4
7AG	IS	H	2G1	1G1	T		H	K					
7AJ	H	2K	2P		IS	1P	1K	H					
7AK	F	P	G2	G1	G3	G4		F					
7AO	F	P	G2	G3	IC	G1		F					
7AP	IS	F	P	G2	G1		F	FCT	G3				
7AT	F	P	G2	G1	F	G3	F						
7AV	F	P	G1	G2	F	P	F						
7AZ	SH	1G1	K	1G2	2P	1P	H						
7BA	F	P	G1	G2	FCT	P	F						
7BB	F	P	G2	G1	FCT	P	F						
7BC	F	2P	2G1	FCT	1G1	1P	F						
7BD	G1	K	H	H	P	G2	K						
7BE	F	2P	2G1	FCT		1G1	1P	F					
7BF	2P	1P	H	H	1G1	2G1	K						
7BJ	H	4P	3P	2P	1P	K	H						
7BK	G1	G3	H	H	P	G2	K						

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP
7BN	G1	K	H	H	G2	P	G2						
7BQ	G1	K	H	H	G1	G1	P						
7BS	P	K	H	H	P	G1	K						
7BT	1G1	K	H	H	2P	3P	1P						
7BZ	G1	K	H	H	P	G2	G1						
7CB	F2	F1	F2	F2	F1	F2	F1						P
7CD	F	P	G2	G1	G3	G4	F						
7CH	G1	K	H	H	P	G2	G3						
7CK	K	H	G2	K	G1	K	H	SH					P
7CL	FCT	F	G2	FCT	G1	FCT	F	SH					P
7CM	G1	K	H	H	P	G2	G3						
7CQ	G1	G3	F	F	P	G2	FCT						
7CS	FCT	F	G2	FCT	G1	FCT	F						P
7CU	F	P	G2	G3	FCT	G1	F						
7CV	K	G1	H	H	G1	G2	P						
7CY	G2	FCT	G1	F	F	FCT	P						
7DC	F	P	G2	G1	G3	G4	F						
7DF	K	G1	H	H	G2	G3	P						

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
7DK	P	G1	H	H	K	G1	P							
7DQ	G1	K	H	H	P	G2	G1							
7DT	G1	K	H	H	K	G1	P							
7DU	P	K	IC	IC	IC	IC	IC							
7DW	P	HCT	H	H	P	G1	K							
7EA	K	2P	H	H	1P	1G2	1G1							
7EG	K	G1	H	H	P	K	G1							
7EN	G1	K	H	H	P	G2	G3							
7EQ	G2	H	K	G1	K	H	K						P	
7ES	F1	P	G2	G3	F1	G1	F2							
7EW	G1	K	H	H	P	G2	K							
7EX	K	IC	K	IC	K	IC	K						P	
7F8	1G1	1P	H	H	3P	2P	K							
7FD	K	G2	H	H	G1	G1	P							
7FJ	G1	K	H	H	K	P	K							
7FK	G1	K	H	H	K	K	K							
7FL		P2	H	H	K	IS	P1							
7FP	K	G1	H	H	P	IS	K							
7FQ	G1	IS	H	H	P	G2	K							
7FW	1G1	K	H	H	1P	1G2	2P							
7FZ	K	G1	H	H	G2	HCT	P							

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
7GA	G1	K	H	H	P	G3	K							
7GE	IS		H	H	P	G2	K						G1	
7GK	P	G1	H	H	K	G1	IS							
7GM	G1	K	H	H	P	IS	K							
8A	IS	H	P	G3	G1	G2	H	K					G4	
8E	IS	H	1P	2P1	2P2	1G2	H	K					1G1	
8K	IC	H	1P	1G2	1G1	2P	H	K					1G3	
8N	SH	H	G3	G1	K	G2	H	P						
8Q	SH	1G1	K	3P	2P	1P	H	H						
8S	SH	2P	2G1	1G1	1P	K	H	H						
8V	H	P	G2	G3	IS	G1	K	H						
8X	H	P	G2	G1	G3	G4	K	H						
8Y	G3	H		G1	K	G2	H	P						
8AA	2K	H	1P	1G2	1G1	1K	H	2P						
8AC	H	2K	2P	2G1	1G1	1P	1K	H						
8AD	IS	H	P	G2	G1	K	H	G3						
8AE	H	1P	3P	2P	1G2	1G1	K	H						
8AL	H	P	G2	G1	G5	G3	K	H						
8AD	2K	H	1P	1G1	1G2	2P	H	1K						

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
88D	2G1	2P	2K	1G1	1P	1K	H	H						
88E	2G1	2K	2P	1K	1G1	1P	H	H						
88F	H	1K	1P	1G1	2P2	2P1	2K	H						
88K	SH	H	K	G1	K	G2	H	P						
88S	H	2G1	G2	2P	1P	K	1G1	H						
88U	1G1	K	2G1	2P	1G2	H	H	1P						
88W	2G1	H	2P	2K	1K	1P	H	1G1						
8CH	G1	H	T	D2	D3	D1	H	K						
8CJ	H	2K	2G1	2P	IS	1P	1G1	1K	H					
8CN	IC	G1		F	F	P	G2	G3						
8CP		G1		F2	F1	P	G2							
8CT	G2	G1	K	H	H	G5	G3	IS	P					
8DC	G1	K	H	G3	P	H	G2	K						
8DD	P	G2	H	G2	K	H	G1	G2						
8DE	G1	K	H	K	P	H	G2	K						
8DF	2P	2K	H			H	1K	1P						
8DG	2P	2G1	H	2K	1K	H	1G1	1P						
8DJ	2P	2K	H	SH	1P	H	1K							
8DK	G1		H		K	H		P						
8DL	G1	K	H	K	P	H	G2	K						

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
8DM	G1	P	H	P	K	H		P						
8DQ	2P	F2	2G1	F1	F1	1G1	F2	1P						
8DR	F	2G1	2G2	2P	1P	1G2	1G1	F						
8DS	F2	2G1	2G2	2P	1P	1G2	1G1	F1						
8DX	SH		2P		1P		F	F						
8DY	G1		H		P	H	G2	K						
8EA		F						F						
8EC	K	H	G2	K	G1	K	H	SH						
8EH	G3	IS		G3	IS	IS								
8EL	G1	H			P		H	K						
8ET	G3	H	P	G2	G1		H	K						
8EX	K	IC	P	IC	K	IC	IC	IC						
8EZ	IC	H	IC		IC		H	K						
8FO	G1	G1	H	P	K	H		P						
8FU	K	H			G1		H							
8FV	IC	F	IC	IC	FCT	IC	F	IC						
8FY	P	G1	G1	P	K	H	H	P						
8GB	IC	IC	K	IC	P	IC	H	H						
8GC	K	H	IC	IC	G1	IC	H	IC						
8GD	G2	H	K	G1	G1	K	H	G2						
8GH	IC	H	IC		IC	IC	H	IC						

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
8GL	K	H	G2	G1	G2	H	G2						P	
8GS	2K	H	2G1	1G1	1G2	1K	H	2P					1P	
8GV	H2	H2	P	P		P	H1						K	
8HC	IC	F				F	IC						P	
8HF	G1		H	P	K	H		P						
8HY	G2	H	P	G2	G1	G1	H	K	G3					
8J8	G1	H	G1		P		H	K						
8JC	G1	H	K	G2	G1	K	H	G2					P	
8JP	2G1	H	2P	1G2	1G1	1P	H	K	G3					
8JX		H	K	G2	G1		H	G2					P	
8K8		H	P	G2	G1		H	G3						
8KD	K	H		P2		P1		H						
8KG		H	P	G2	K	G1	H	G2						
8KM	H	G1	P	G1	G1	K	G1	H						
8KN		H	P		K	G1	H	G2						
8KQ		H	P	G2	K	G1	H	G2						
8KS	F1	F1	P2	P2	P1	P1	F2	F2						
8LD	K	G1	H	IC	IC	H	P	K						
8LE	P	G1	H	K	K	H	G1	P						

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
8LJ	F2	F1	G2	F2	G1	F2	F1							
	G3			G3		G3								
	SH			SH		SH								
8LK	2P	2G1	2K	H	H	1P	1G1	1K						
							IS							
8LM	2P	2G1	2K	H	H	1P	1G1	1K						
8LS	K	K	H	G3	P	H	G2	G3						
9A	2P	2G1	2K	H	H	1P	1G1	1K	HCT					
9E	1P3	2P	2K	H	H	1P2	1K	1G1	1P					
			IS				IS							
9F	G2	1G1	2G1	H	H	K	2P	1P	K					
9G	K	G1	K	H	H	G2	P	K	G2					
	G3		G3					G3						
9H	2P	2G1	2K	H	H	1K	1G1	HCT	1P					
9J	2P	2K	2G1	H	H	1G1	1K	1P	HCT					
9K	P		G3	H	H	G2	K	G1	G1					
9L	P		G3	F	F	G2	G1	G3	FCT					
9M	P1		K	H	H			P2						
9U	P	IC	IC	F	F	IC	IC	IC	P					
9V	P		H	G1	G1	K	G1	G1	H					
9X	G1		H	K		P		G2	H					
				G3										
				IS										
9Y	F1	F2	IC	F1	F2	F1	IC	F2	F1					P
9AC	IC	K	G1	H	H	G1	IC	IC	P					
9AD	G1		K	H	H		G2	P	G3					
9AE	2P	1G1	1G2	H	H	1P	1K	2K	2G1					
							IG3							
							IS							

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	- PIN NUMBER -												CP
	1	2	3	4	5	6	7	8	9	10	11	12	
9AG	K	G1	HCT	H	H		G1		P				
9AH	1P	1P1	1K	H	H	1G1	2P	2K	1P2				
9AJ	2P	2G1	2K	H	H	1P	1G1	1K	IS				
9AK	1G3	2G1	2P	H	H	K	1G1	1G2	1P				
9AQ	K	G1	K	H	H	IS	P	G2	G3				
9AX	3K	3P	IS	H	H	2P	2K	1P	1K				
9AZ	G2	G1	K	H	H	P	IC	IC					
			G3	IS									
98D	P			H	H		P		P				K
98F	K	G1	G3	H	H	HCT	P	G2	G3				
98Q	P		G1	H	H	K	G1	G2					
						G3							
98S	2P		2K	H	H	1P		1K	HCT				
98V	K	G1	G2	H	H	P	G3	G2	G1				
								IS					
98X	G1	K	G1	G1	P	G1	H	H	G1				
98Y	IC	K	K	IC	IC	IC	P	P	IC				
98Z	K	IC	IC	P	K	P	G1	IC	K				
9CA	1G2	1G1	K	H	H	1P	1G3	2P	2G1				
	1G4		IS										
9CB	IC	IC	IC	H	H	IC	IC	IC	P				K
9CD	P2			H	H		K		P1				
9CE	P	G1	K	H	H	P	G2	K	G3				
			G3										
9CF	1P	1G1	1K	H	H	2P2	2P1	2K	HCT				
								IS					

BASE NO.	- PIN NUMBER -												CP
	1	2	3	4	5	6	7	8	9	10	11	12	
9CK	G2		G1	H	H	G1	K		P				
							G3						
9CT	K	G2	P	H	H	P	G2	G1	P				
9CV	IC	G1	K	H	H	IC	P	IC	G2				
			G3										
9CY	1K	1G1	1G2	H	H	1P	2K	2P	1G3				
9CZ	2P	2K	2G1	H	H	1P	1K	1G1	HCT				
9DA	2P	2G1	2K	H	H	1P	1G2	1G1	K				
									1G3				IS
9DC	2P	1G1	1G2	H	H	1P	1K	2K	2G1				
							1G3						
9DD	2K	2G1	2P	H	H	1G1	1K	1K	1P				
9DE	2P	2G1	2K	H	H	1P	1G1	1K	IS				
9DH	G1	G2	H	P	H	G1	G2	K	P				
								G3					
9DJ	P2			H	H		P1		K				
9DP	D2	D1	G3	H	H	G1	K	P1	P2				
					G2								
					IS								
9DR	P	G1	G1	H	H	K	G1	G1	P				
9DS	1G2	1G1	1K	H	H	2P	1G3	2K	1P				
9DT	K	H1		K	H1	K		H1	K				P
	H2			H2		H2		H2					
	IS			IS		IS		IS					
9DV	G1	K		H	P	H	G2	K	G3				
9DW	2G1	2P	K	H	H	1P	1G2	1G3	1G1				
9DX	2K	2G1	2P	H	H	1K	1G1	1G2	1P				
						1G3							
						IS							

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
9DZ	2K	2G1	2P	H	H	1G1	1K	1G2	1P					
							1G3							
							IS							
9EC	2K	2G1	2P	H	H	1G1	1K	1G2	1P					
	1G3													
	IS													
9ED	1P	1G2	1K	H	H	1G1	2K	2P	2G1					
						1G3								
9EF	2P		2G1	H	H	1P	1G1	1K	2K					
9EG	2G1	2P	2K	H	H	1P	1G2	1K	1G1					
			1G3											
			IS											
9EJ	G1	K		H	P	H	G2	K	G1					
		G3							G3					
9EN	2P2	2P1	2K	H	H	1K	1G1	1P	HCT					
			IS											
9EP	2P	2G1	2K	H	H	1P	1G1	1K	IC					
9EQ	K	G1	K	H	H	IC	P	G3	G2					
								IS						
9ER	3P	3K	2K	H	H	2P	1P	1G1	1K					
9ES	2P		1K	H	H	1P	1G1	2G1	2K					
9ET	2P		2K	H	H		1K		1P					
9EU	G2		G1	H	H	G1	K	G2	P					
							G3							
9EW	2P	2G1	2K	H	H	1P	1G1	1K	1K					
9EX	2G1	1K	1G1	H	H	1P	1G2	2K	2P					
			1G3											
9FA	2G1	2P	2K	H	H	1P	1G2	1K	1G1					
								1G3						
								IS						
9FC	2P	2G1	2K	H	H	1P	1G1	1K	1K					

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
9FE	2P2	2P1	2K	H	H	1P	1G2	1G1	1K					
		IS							1G3					
9FG	K	G2	2P	H	H	2G3	G1	1P	1G3					
		IS												
9FH	2P1	1G2	1P	H	H	2P2	K	1G1	1G3					
9FJ	3K	3G1	3P	H	H	2P	1K	2K	1P					
9FK	K		P	H	H				P					
9FN	1G1	1G3	2K	H	H	2P	1P	1G2	1K					
		IS												
9FR	P	G1	P	H	H	P	G1	K	P					
9FT	1K	2P	2G2	H	H	2K	2G1	1G1	1P					
					2G3									
					IS									
9FU	G1	G2	K	H	H	P	K	G2	G1					
			G3				G3							
9FV	H	2K	2G1	2P	IS	1P	1G1	1K	H					
9FX	2G1	2P	2K	H	H	1P	1G2	1K	1G1					
9FZ	1P	2G1	2K	H	H	2P	2G2	1K	1G1					
			2G3											
			IS											
9GA	1G1	IC	K	H	H	2T	2D	IC	1P					
			2G1											
9GB	G1		H	P	H	G1		K	P					
9GC	2G1	2K	2G2	H	H	2P	1K	1P2	1P1					
9GE	1P	2G1	2G2	H	H	2P	2K	1K	1G1					
								IS						
9GF	2G1	2P	K	H	H	1P	1G2	K	1G1					
			1G3						1G3					
9GJ	1P	2G1	2K	H	H	2P	2G2	1K	1G1					
								2G3						
								IS						

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
9GK	K	G1	G3	H	H		P	G2	G3					
			IS						IS					
9GM	1K	2P	2G2	H	H	2K	2G1	1G1	1P					
	2G3													
	IS													
9GR	G2	K	G3	G1	H	H	G1	K	IC	P				
							G3							
9GS	1P	2G2	2G1	H	H	1P	2K	1G1	1K					
9GT	K	G1	IS	H	H		P	G2	IS					
9HB	IC	P	IC	H	H	IC	P	IC	K					
9HC	G3	G2	G1	H	H	G3	G2	G1	K					P
9HE	2G2	2G1	K	H	H	2P	1P2	1P1	1G3					
			IS											
9HF	2P	2G1	2G1	H	H	1P	1G1	1K	2K					
9HG	1G1	2K	2P	H	H	1P	1G3	1G2	1K					
							IS							
9HK	2P2	2K	2P1	H	H	1G1	1K	1G2	1P					
							1G3							
							IS							
9HN	G2		G1	H	H	G1	K	IC	P					
							G3							
9HP	IC	P	IC	H	H	IC	P	IC	K					
9HR	1P2	2K	2G1	H	H	2P	2G2	1K	1P2					
								IS						
9HV	1G1	K	1G2	H	H	1P	IC	IC	2P					
9HX	2G1	2P	2K	H	H	1P	1K	1G1	1G2					
							1G3							
							IS							
9HZ	1G1	K	1G2	H	H	2P2	1P		2P1					
9JC	2P	2G1	2K	H	H	1P	1G1	1K	1P2					
BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
9JD	1G1	1K	1G2	H	H	1P	2K	2P	2G1					
							IS							
9JE	1G1	2K	2G1	H	H	2P	2G2	1K	1P					
		2G3												
		IS												
9JF	1P	2G1	2P	H	H	2K	1G1	1K	1G2					
								1G3						
								IS						
9JG	K	2G1	2P	H	H	K	1G1	1G2	1P					
	1G3					1G3								
	IS					IS								
9JL	G2	IC	P	H	H		IC	G1	HCT					
								G3						
9JT	2P	1P	1G2	H	H	1K	1G1	2K	2G1					
						1G3								
						IS								
9JU	2P1		1G1	H	H	1P	1G2	K	2P2					
9JX	1G1	K	1G2	H	H	1P	2P2	IC	2P1					
9JY	2K	2P2	2P1	H	H	1P	1G1	1K	HCT					
	IS													
9KA	3K	3G1	3P	H	H	2P	2G1	1P	1G1					
				2K										
				1K										
9KD	K	H	G2	K	G1	K	H	K					P	
	G3				G3	G3								
9KE	K	H	K	G1		K	H	K	G1				P	
9KH	G1	G3	IC	H	H	G2	G3	IC	K				P	
9KP	1P3	2G1	2P	H	H	1G1	1G2	1P2	1P1					
				K										
9KR	2K	3P	3K	H	H	2P	1K	1G1	1P					
9KS	K	G2	G1	H	H	P2	P1	D2	D1					
	IS													
BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
9KT	2P1	2G1	2P2	H	H	1P1	1G1	1P2	K					
9KU	2G1	2K	1G1	H	H	1G2	1P	3P	2P					
		3K		1K	1G3									
9KV	1G2	1G1	1P	H	H	2G1	1K	2P	1G3					
	1G4			2K	1G5									
					1S									
9KZ	1P	1G1	1K	H	H	2P	2K	2G2	2G1					
						2G3								
9LC	1G2	2K	2G1	H	H	2P	1K	1G1	1P					
						1G3								
9LJ	K	G1	K	H	H	G3	G2	P	G4					
9LK	K	G1	G2	H	H	P	G3	G2	K					
9LP	2P	2G1	2K	H	H	1P	1G1	1K						
9LQ	1G3	1G1	K	H	H	1G2	1P	2P	1S					
9LS	H	H	2K	2G1	2P	1P	1G1	1K						
9LT	2K	3P	2P	H	H	1K	1G1	1G2	1P					
	3K					1G3								
						SH								
9LW	K	G2	2P	H	H	2G3	G1	1P	1G3					
	1S													
9LX	1S	H1		1S	H1	K	K	H1						P
						H2	H2							
						1S	1S							
9LY	2P	2G1	2K	H	H	1P	1G2	1K	1G1					
								1G3						
								1S						
9LZ	2G1	2K	1G2	H	H	1P	1K	1G1	2P					
							1G3							
							1S							
9MB	3G1	3P	2G1	3K	H	1P	1K	2K	2P					
				1G1										
				H										

BASE NO.	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP
9ME	2G1	2K	2P	H	H	1G2	1P	1K	1G1					
								1G3						
								1S						
9MJ	H	H	HCT	2K	2G1	2P	1P	1G1	1K					
9MP	K	1G1	K	H	H	2G1	2P	1P	1G2					
	1G3		1G3											
	SH		SH											
9MQ	G2	IC	IC	H	H	G1	K	IC	P					
							G3							
9MR	1P2		2P	H	H	K	1G1	1G2	1P1					
						1S								
9MS	K	G1	K	H	H	P	G2	K	G2					
	G3		G3					G3						
9MX	P	G1	K	H	H	P	G1	K	HCT					
9NE	G1	G2	H	H	H	G1	G2	K	G3				P	
9NF	P2	K	D2	H	H	G1	D1	G2	P1					
	1S							G3						
9NH	G1	G1	K	H	H	G2	G2	K	IC				P	
			G3					G3						
9NJ	1G2	1G1	1P	H	H	2G1	K	2P	2G2					
						G3								
9NM	G2	G1	K	H	H	G1	G2	IC	IC				P	
			G3											
9NQ	D2	P2	G3	H	H	G1	K	P1	D1					
					1S		G2							
9NT	F	IC	F	IC	2P	IC	IC	IC	1P					
9NW	K	G1	G3	H	H	G2	P	G2	G3					
9NX	6P	5P	4P	H	H	K	3P	2P	1P					
9NY	G1	K	G1	H	H	G1	G1	P	G1					
9NZ	G2	G1	K	H	H	G1	G2	IC	P					
			G3											

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	- PIN NUMBER -												
	1	2	3	4	5	6	7	8	9	10	11	12	CP
9PA	K	2G1	2G2	H	H	2P	K	1G1	1P				
	2G3						2G3						
	IS						IS						
9PB	F	G1	G2	FCT	FCT	P	G3	G2	F				
9PG	H	H	IC	2K	2G1	2P	1P	1G1	1K				
9PJ	2P	2K	2G1	H	H	1P	1G2	K	1G1				
							1G3						
							IS						
9PL	P	K	G2	H	H	K	G1	G2	K				
		G3				G3			G3				
9PM	K	G1	K	H	H		P	G2	G3				
									IS				
9PQ	4P	4K	3K	H	H	IS	2P	2K	1K				
		3P						1P					
9PS	1G1	IS	2G1	H1	H	1P	1G2	2P	H1				
							2G2						
9PV	2P	2G1	K	H	H	1G1	1G3	1G2	1P				
							IS						
9PX	G2		IC	H	H	G1	K	IC	P				
							G3						
9QD	1K	2G1	2K	H	H	2P		1P	1G1				
9QF	2K	2G1	2P	H	H	1K	1G1	1G2	1P				
							IS						
9QG	1P3	1P2	2P	H	H	K	1G1	1G2	1P1				
							IS						
9QJ	F1	F2	F2		P2	P2		P1	P1				
9QK	G2	G1	K	H	H	G1	G2	IC					P
							G3						
9QL	G2	G1	K	H	H	G1	G2	G3	IC				P
9QP	2K	2G1	2P	H	H	1K	1G1	1G2	1P				
							1G3						
							IS						

[illegible]

EIA BASE CONNECTIONS - CONTINUED

BASE NO.	- PIN NUMBER -															
	1	2	3	4	5	6	7	8	9	10	11	12	CP	CP	CP	CP
12DM	H	2P	2G2	2G3	2G1	2K	1G3	1P	1G2	1G1	1K	H				
12DP	H	1P	3G1	3P	2K	2G1	3K	2P	1K	1G2	1G1	H				
12DQ	F	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	F	P			
12DR	H		G2	K	G1	G3	G2		G1	K	G2	H	P			
12DZ	H	2P		1P		1G1	1G1	1G2	1K	2G1	2K	H				
12EA	P	P	1C	G1	IC	G1	K	IC	IC	H		H				
12EB	H		1G2	1G2	1G1	1K	IC	1P	2K	IC	IC	2P	H			
12EJ	H		2G1		2P	IC	2K	2G1	1K	1G1	1P	H				
12EL	F2	IS	IC	F1	IC	IC	IC	F2	IC	IC	F1	P				
12EN	2H	2P	2G1	2K		2H	1H	1P	1G1	1K	1G2	1H				
12EO	H		2G1		2P		2K	IC	1K	1G1	1P	H				
12ER	H	3P	3G2	3G1	3G3	2P	2G3	2K	1G1	1K	1P	H				
12ES	H		G1	K	G2	IC	P	IC	G2	K	G1	H				
12EU	H	K	P	P	P	K	G2	K	K	G1	G2	H				
12EW	H	K	K	IC	H	K	K	H	K			H	P			
12EY	H	G1	G2	K	G3	P		G1	G2	K	H					
12EZ	H	2K	2G1		2G3	2G2	2P	1G1	1K1	1G2	1P	H				

THE NATIONAL BUREAU OF STANDARDS

Functions and Activities

The functions of the National Bureau of Standards are set forth in the Act of Congress, March 3, 1901, as amended by Congress in Public Law 619, 1950. These include the development and maintenance of the national standards of measurement and the provision of means and methods for making measurements consistent with these standards; the determination of physical constants and properties of materials; the development of methods and instruments for testing materials, devices, and structures; advisory services to government agencies on scientific and technical problems; invention and development of devices to serve special needs of the Government; and the development of standard practices, codes, and specifications. The work includes basic and applied research, development, engineering, instrumentation, testing, evaluation, calibration services, and various consultation and information services. Research projects are also performed for other government agencies when the work relates to and supplements the basic program of the Bureau or when the Bureau's unique competence is required. The scope of activities is suggested by the listing of divisions and sections on the inside of the back cover.

Publications

The results of the Bureau's research are published either in the Bureau's own series of publications or in the journals of professional and scientific societies. The Bureau itself publishes three periodicals available from the Government Printing Office: The Journal of Research, published in four separate sections, presents complete scientific and technical papers; the Technical News Bulletin presents summary and preliminary reports on work in progress; and Basic Radio Propagation Predictions provides data for determining the best frequencies to use for radio communications throughout the world. There are also five series of non-periodical publications: Monographs, Applied Mathematics Series, Handbooks, Miscellaneous Publications, and Technical Notes.

A complete listing of the Bureau's publications can be found in National Bureau of Standards Circular 460, Publications of the National Bureau of Standards, 1901 to June 1947 (\$1.25), and the Supplement to National Bureau of Standards Circular 460, July 1947 to June 1957 (\$1.50), and Miscellaneous Publication 240, July 1957 to June 1960 (Includes Titles of Papers Published in Outside Journals 1950 to 1959) (\$2.25); available from the Superintendent of Documents, Government Printing Office, Washington, D.C.

U.S. DEPARTMENT OF COMMERCE

Luther H. Hodges, *Secretary*

NATIONAL BUREAU OF STANDARDS

A. V. Astin, *Director*

THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

WASHINGTON, D.C.

Electricity. Resistance and Reactance. Electrochemistry. Electrical Instruments. Magnetic Measurements. Dielectrics. High Voltage.

Metrology. Photometry and Colorimetry. Refractometry. Photographic Research. Length. Engineering Metrology. Mass and Scale. Volumetry and Densimetry.

Heat. Temperature Physics. Heat Measurements. Cryogenic Physics. Equation of State. Statistical Physics.

Radiation Physics. X-ray. Radioactivity. Radiation Theory. High Energy Radiation. Radiological Equipment. Nucleonic Instrumentation. Neutron Physics.

Analytical and Inorganic Chemistry. Pure Substances. Spectrochemistry. Solution Chemistry. Standard Reference Materials. Applied Analytical Research. Crystal Chemistry.

Mechanics. Sound. Pressure and Vacuum. Fluid Mechanics. Engineering Mechanics. Rheology. Combustion Controls.

Polymers. Macromolecules: Synthesis and Structure. Polymer Chemistry. Polymer Physics. Polymer Characterization. Polymer Evaluation and Testing. Applied Polymer Standards and Research. Dental Research.

Metallurgy. Engineering Metallurgy. Microscopy and Diffraction. Metal Reactions. Metal Physics. Electrolysis and Metal Deposition.

Inorganic Solids. Engineering Ceramics. Glass. Solid State Chemistry. Crystal Growth. Physical Properties. Crystallography.

Building Research. Structural Engineering. Fire Research. Mechanical Systems. Organic Building Materials. Codes and Safety Standards. Heat Transfer. Inorganic Building Materials. Metallic Building Materials.

Applied Mathematics. Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics. Operations Research.

Data Processing Systems. Components and Techniques. Computer Technology. Measurements Automation. Engineering Applications. Systems Analysis.

Atomic Physics. Spectroscopy. Infrared Spectroscopy. Far Ultraviolet Physics. Solid State Physics. Electron Physics. Atomic Physics. Plasma Spectroscopy.

Instrumentation. Engineering Electronics. Electron Devices. Electronic Instrumentation. Mechanical Instruments. Basic Instrumentation.

Physical Chemistry. Thermochemistry. Surface Chemistry. Organic Chemistry. Molecular Spectroscopy. Elementary Processes. Mass Spectrometry. Photochemistry and Radiation Chemistry.

Office of Weights and Measures.

BOULDER, COLO.

Cryogenic Engineering Laboratory. Cryogenic Equipment. Cryogenic Processes. Properties of Materials. Cryogenic Technical Services.

CENTRAL RADIO PROPAGATION LABORATORY

Ionosphere Research and Propagation. Low Frequency and Very Low Frequency Research. Ionosphere Research. Prediction Services. Sun-Earth Relationships. Field Engineering. Radio Warning Services. Vertical Soundings Research.

Radio Propagation Engineering. Data Reduction Instrumentation. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Propagation-Terrain Effects. Radio-Meteorology. Lower Atmosphere Physics.

Radio Systems. Applied Electromagnetic Theory. High Frequency and Very High Frequency Research. Frequency Utilization. Modulation Research. Antenna Research. Radiodetermination.

Upper Atmosphere and Space Physics. Upper Atmosphere and Plasma Physics. High Latitude Ionosphere Physics. Ionosphere and Exosphere Scatter. Airglow and Aurora. Ionospheric Radio Astronomy.

RADIO STANDARDS LABORATORY

Radio Physics. Radio Broadcast Service. Radio and Microwave Materials. Atomic Frequency and Time-Interval Standards. Radio Plasma. Millimeter-Wave Research.

Circuit Standards. High Frequency Electrical Standards. High Frequency Calibration Services. High Frequency Impedance Standards. Microwave Calibration Services. Microwave Circuit Standards. Low Frequency Calibration Services.