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MILITARY HANDBOOK

**ELECTRON TUBES,
CROSS INDEX AND TYPE
IDENTIFICATION**



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DEPARTMENT OF DEFENSE
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Cross Index and Type Identification
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1. This standardization handbook was developed by the Bureau of Ships, Department of the Navy, for use by the Department of Defense.
2. This publication was approved on 5 November 1963 for printing and inclusion in the military standardization handbook series.
3. This handbook furnishes information relative to the cross indexing and type identification of electron tubes.
4. Recommended corrections, additions, or deletions should be addressed to the Chief, Bureau of Ships, Department of the Navy, Washington, D.C. 20360.

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CONTENTS

1. The first column, titled "Tube Type" lists in numerical-alphabetical order all type numbers covered by this handbook. (See EXPLANATION OF LISTING SEQUENCE).
2. The second column, titled "Current Service Designation" is the approved service designation for the type.
3. The third column, titled "Other Number" contains other designations by which the same type has been known.
4. The fourth column, titled "Class Description" gives a brief description of the tube and its application, and will serve to identify the tube as well as to differentiate between unlike types having the same number. The description includes guides by specific words, defined as follows:
 - "Obsolete" does not imply that a type is no longer used, but that it will not be manufactured.
 - "Similar to" denotes those types which have similar electrical characteristics but may differ in basing, heater voltage or physical size.
 - "Selected" indicates a tube type specially tested for particular characteristics.

INTRODUCTION

1. The purpose of this publication is to provide as complete a list as possible of electron tube types used in Armed Services equipments or stocked in depots, together with a cross reference to any other type numbers or designations these tubes may have. Crystal rectifiers and transistors are not included except for occasional items where their nomenclature may be confused with tube type numbers.

2. The inclusion of an electron tube type in this document does not in itself constitute any recommendation(s) for or against its use. Designers of new equipments should refer to "MIL-STD-200, ELECTRON TUBES, SELECTION AND USE OF".

EXPLANATORY NOTES

1. The letter "W" immediately following the end of a tube type designation indicates a tube which has been modified for military usage, either with respect to environmental characteristics, reliability, or both. Usually it can be used in the same socket as its prototype, but it may be of different overall physical dimensions or have a slightly variant heater current.

2. GT/G. There has been considerable misunderstanding throughout the service as to the relationship among tubes marked G, GT, and GY/G. The GT/G group of tubes was manufactured primarily for equipment built for civilian use. Because of similarity in electrical characteristics of tubes of certain G and GT types, manufacturers discontinued the G types and thereafter branded the GT, GT/G. Tubes of the latter two types, (GT and GT/G) are identical electrically and mechanically, and so are interchangeable and can be stocked together. Their correct service designation is now GT. They are smaller than those of the G type, however, and may have other mechanical and electrical differences, so that replacement of G tubes by GT or GT/G tubes, while it may be possible, should first be approved by those responsible for the operation of the equipment.

3. Explanation of listing sequence. -

1. Tube type designations containing letters only are listed first and are in alphabetical sequence.

2. Tube type designations containing letters and numerals are listed next in numeric-alphabetic sequence.

a. All designations with "1" in them precede all with "2" which precede all with "3", etc. (Note: "10" follows "9" and precedes "11".)

b. Within a given numeric group, those designations with alphabetic prefixes come first and are listed in alphabetic order of the prefix. (Note: within a prefix a "-" precedes any letter of the alphabet.)

INTRODUCTION

Example:

BL1	TT1
BS1	V1
CE1	1
D1	A2
GM-M1	BL2
GMHM1	CE2
NU1	ZA2
O1	ZP2
RE1	2

c. Within a given numeric group, whenever the number (or the number and prefix if both exist) is identical, the sequence is alphabetic according to the letters appearing next after the number. (Note: "-" or "/" precedes in sequence any letter of the alphabet.)

Example:

BL1	NU1V
BS1	O1
CE1	RE1
CE1A/B	TT1
CE1C	V1
D1	1
GM-M1	1-A
GM-M1M	1A
GMHM1	A2
NU1	2
NU1RBL	

d. When the alphabetic prefix, the numerical, and the first letter or letters following the numeral are the same, the further sequence is based upon the number next following, then the letter following that, etc.

Example:

1	1B1
1-15	1B3GT
1A1	1B3GT/8016
1A5G	6M-M1M2
1A5GT	6M-M1M20
1A5GT/G	6MH-MK1MOD10
1AB5	

Tube Type	Current Service Designation	Other Number	Class Description
AD	IV		See IV
AF	82		See 82
AG	83		See 83
AMP-VR	8H/8H/3		See 8H/8H/3
BA	1009/BA		See 1009/BA
BH	BH		Receiving duodiode gaseous rectifier
BR	BR		Receiving diode gaseous Rectifier (obsolete)
DX	DX		Dry system oven
FNH	6A3 Special		Special Type 6A3
GL	1B32/532A		See 1B32/532A
K-O	2J23/29		See 2J23/29
LA	6A4/LA		See 6A4/LA
LVX	2J42		See 2J42
Navy Type A	C1A		See C1A
Navy Type B	C5A		See C5A
Navy Type C	C6A		See C6A
PZ	47		See 47
PZH	2A5		See 2A5
SA	SA		Gas switching tube
SB	SB		Gas switching tube
SC	SC		Gas switching tube
XP	CV74		See CV74
XXB	XXB		Receiving twin triode frequency converter (obsolete)
XXD	14AF7		See 14AF7
XXFM	7X7/XXFM	7X7	See 7X7/XXFM
XXL	XXL		Receiving lock - in type triode (very similar to 7A4) obsolete
00A	00A	200A, 300A	Receiving triode detector - cesium vapor type (obsolete)
OSGLIM	CV71		See CV71
BL-M-008	BL-M-008		Magnetron
BL-S-016	BL-S-016		TR Tube
BL-T-005	BL-T-005		TR Tube
BL-T-015	8331	MA-3108, MXT-49	See 8331
BL-T-024	8330	MA-3107, MXT-48	See 8330
BL-T-033	TR610/BL-T-033	TR610	See TR610
BL-T-041	BL-T-041/8061	MPT-23, 8061	TR Tube
BL-T-059	BL-T-059/8060	MPT-24, 8060	TR Tube
0A2	0A2	HD51, S856	Miniature type OD3 voltage regulator. See also 6073
0A2/5856	5856		Voltage regulator, receiving
0A2WA	0A2WA		Receiving voltage regulator
0A3	0A3	GL75-30, 0A3/VR75, VR75-30	Voltage regulator
0A3/VR75	0A3		See 0A3
0A4G	0A4G		Triode, gas, cold cathode
0A5	0A5		Cold cathode relay tube for triggering
0B2	0B2	HD52	Receiving voltage regulator

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Tube Type	Current Service Designation	Other Number	Class Description
OB2WA OB3	OB2WA OB3	OB3/VR90, VR90-30, GL90-30, VR90	Receiving voltage regulator Diode voltage regulator
OB3/VR90 OC2	OB3 OC2	S859	See OB3 Miniature type OA3 voltage regulator, (obsolete)
OC2/VR75 OC3	OC2 OC3	OC3/VR105, VR105-30, GL105/30	Miniature voltage regulator. Diode voltage regulator. See OB2
OC3/VR105 OC3/VR105W OC3W OD3	OC3 OC3W OC3W OD3	OC3/VR105W GL150/30, VR150, VR150-30, OD3/VR150, WT294	See OC3 See OC3W Ruggedized OC3 Diode voltage regulator. See OA2
OD3/VR150 OD3/VR150W OD3W OE3 OG3 OY4 OY4G OZ4	OD3 OD3W OD3W OE3 OG3 OY4 OY4G OZ4	OD3/VR150W OG3/85A2, 85A2	See OD3 See OD3W Ruggedized OD3 Voltage regulator Miniature voltage regulator Half wave gas rectifier with starter Half wave gas rectifier with starter Duodiode gaseous rectifier, replace with OZ4A/1003
OZ4A OZ4A/1003	OZ4A/1003 OZ4A/1003	1003, CK1003, OZ4A, CK1003/OZ4A, 1003/OZ4A	See OZ4/1003 Duodiode gas filled full wave rectifier OZ4 with increased current rating.
OZ4G BL1 BS1 BS1/5979 C1A	OZ4G BL1 5979 5979 C1A	CEC1A, ELC1A, GLC1A, Navy Type A, WX3169	Full wave, gas, cold cathode rectifier ATR tube See 5979 See 5979 Thyratron
C1B C1B/A C1J C1J/A C1K C1K/B CE1	3C31/C1B 5664 C1J 5683/C1JA C1K 7319/C1K/B CE1A/B, C, D, E, V NUI		See 3C31/C1B See 5664 Thyratron See 5683/C1J/A Thyratron, inert gas type See 7319/C1K/B Gas phototube, see also CE1C, CE1D, CE1E, CE1V
CE1A/B CE1C CE1D CE1E CE1RBL CE1RBS CE1V CE1VC	CE1A/B 918 868 CE1E 1RBL 1RBS CE1V PJ22		Gas phototube See 918 See 868 Obsolete. Use 868 See 1RBL See 1RBS Vacuum phototube. See PJ22 See PJ22

Tube Type	Current Service Designation	Other Number	Class Description
CEC1A	C1A		C1A
CL-1	CL-1		Clairex crystal photocell
D1	VR78 (Br.)		See VR78 (Br.)
DE1	27		See 27
DHA-1	DHA-1		TWT amplifier
E1T	E1T		Decade counter tube
EL1C	3B22		See 3B22
ELC1A	C1A		See C1A
ELC1B	3C31/C1B		See 3C31/C1B
ELC1K/B	7319/C1K/B		See 7319/C1K/B
F1A	F1A		Gamma counter tube
FE1	FE1		Improved 1B42
G1	G1		Gas phototube
GCI-7	GCI-7		Geiger-Mueller counter tube
GL-1P29/401	1P29		See 1P29
GLC1A	C1A		See C1A
GM-M1M2	MK1MOD2		See MK1MOD2
GM-M1M20	MK1MOD20		See MK1MOD20
GM-MK1MOD10	MK1MOD10		See MK1MOD10
GMH-MK1MOD10A	MK1MOD10A		See MK1MOD10A
GMH-MK1MOD10D	MK-MOD10D		See MK1MOD10D
HA-1B	HA-1B		Traveling wave tube
J1	2J22		See 2J22
KC1	KC1		Special purpose diode vacuum rectifier
LM1	LM1		Lamp
MARK 1 MOD 2	MK1MOD2		See MK 1MOD 2
MARK 1 MOD 10	MK1MOD10		See MK 1 MOD 10
MARK 1 MOD 10A	MK1MOD10A		See MK 1 MOD 10A
MARK 1 MOD 20	MARK 1 MOD 20		See MK 1 MOD 20
MK1 MOD 2	MK1 MOD 2	GMH-MK1MOD10A, GM-M1M2	Geiger-Muller counter tube
MK1 MOD 10	MK1 MOD 10	GMH-MK1MOD10A, GM-MKMOD10	Beta Gamma counter tube (outdoor type)
MK 1 MOD 10A	MK 1 MOD 10A	GMH-MK1MOD10A	Beta Gamma counter tube (indoor type)
MK1MOD10D	MK1MOD10D	GMH-MK1MOD10D, G-11A	Geiger-Mueller counter tube
MK1 MOD 20	MK1MOD20	GM-MLM20	Geiger-Mueller counter tube
MAS-1A	MAS-1A/7640	7640, 313H/7640	Traveling wave tube
ML1E	ML1E		Rectifier (medical & surgical)
ML1-K	ML1-K		High voltage half wave rectifier for x-ray apparatus.
NRCOO1M	REL53		See REL53
NU1	CE1		See CE1
NU1RBL	1RBL		See 1RBL
NU1RBS	1RBS		See 1RBS
NU1V	PJ22		See PJ22
O1	O1	20,1301	Receiving triode detector amplifier (obsolete)

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Tube Type	Current Service Designation	Other Number	Class Description
O1A	O1A	501A, UX201A, VT-30	Receiving triode detector amplifier (obsolete) See SE4374 equivalent to OOA (obsolete) and 40 (obsolete)
PAX-1	PAX-1		Packaged magnetron
R-1	R-1		Klystron
RE 1	80		See 80
REL 1	VT90 (Br.) /8011		See VT90 (Br.) /8011
GLC1A	C1A		See C1A
S-1	S-1		Transistor
SGR1	SGR1		Hydrogen thyratron, similar to 4C35 and 4C35A electrically
TGC1	1B83		See 1B83
TGC-1L	TGC-1L		Geiger-Mueller counter tube
TP-1	TP-1		Phonograph pick up tube-triode
TT1	6144	R6212A	See 6144
V1	V1		Vacuum phototube
XD-1	XD-1		High voltage diode
1	1		Obsolete, superseded by 1V
1-15	1-15		Ballast tube
1A1	1A1/5E1		See 1A1/5E1
1A1/5E1	1A1/5E1	5E1, 1A1	Ballast tube
1A3	1A3		Miniature HF diode
1A4	1A4		Receiving tetrode amplifier (replace with 1A4P)
1A4P	1A4P		Receiving pentode amplifier (nearest equivalent is 34)
1A4T	1A4T		Receiving tetrode amplifier (Obsolete, replace with 1A4P)
1A5G	1A5G		See 1A5GT-Replace with 1A5GT
1A5GT	1A5GT	VT-124	Receiving pentode power amplifier (similar to 105GT, 1T5GT, 1C5GT)
1A6	1A6		Receiving pentagrid converter - obsolete (similar to 1C6)
1A7G	1A7G		See 1A7GT - Replace with 1A7GT
1A7GT	1A7GT	VT-147	Receiving pentagrid converter (similar to 1B7GT)
1AB5	1AB5	SD719	Receiving lock in type pentode amplifier
1AB6	1AB6		Miniature pentagrid converter (Dutch)
1AC4	1AC4		Subminiature twin diode
1AC5	1AC5	A4513	Receiving subminiature pentode
1AC6	1AC6		Miniature pentagrid converter (Dutch)
1AD4	1AD4	QF408	Receiving subminiature pentode, sharp cutoff
1AD5	1AD5		Receiving subminiature pentode
1AE4	1AE4		Miniature pentode voltage amplifier
1AE5	1AE5	QF409	Receiving subminiature mixer

Tube Type	Current Service Designation	Other Number	Class Description
1AF4	1AF4		Miniature receiving pentode
1AF5	1AF5		Miniature receiving diode pentode
1AG4	1AG4		Subminiature pentode
1AG5	1AG5		Subminiature diode pentode
1AH4	1AH4		Subminiature pentode
1AH5	1AH5		Miniature diode pentode (Dutch)
1AJ4	1AJ4		R.F. pentode, button, 7 plus (Philips)
1AJ5	1AJ5		Subminiature diode pentode
1AK4	1AK4		Subminiature R.F. pentode
1AK5	1AK5		Subminiature diode pentode
1AM4	1AM4		Miniature R.F. remote cutoff pentode (Japanese)
1AN5	1AN5		Receiving pentode (Canadian)
1AP5	1AP5		Cathode ray tube (similar to type 913 with P-5 screen)
1AQ5	1AQ5		Pentagrid converter (Japanese)
1AR5	1AR5		Diode pentode (Japanese)
1AS5	1AS5		Diode pentode (Japanese)
1AX2	1AX2		Miniature half wave rectifier (similar to 1X2A)
1B1	1B1		Ballast tube
1B3GT	1B3GT	1B3GT/8016	Transmitting diode vacuum rectifier (replaces 8016)
1B3GT/8016	1B3GT		See 1B3GT
1B4	1B4		Obsolete, see 1B4P
1B4G	1B4G		Obsolete, see 1B4P
1B4P	1B4P	951, 1B4P/951, 1B4G, 1B4, 1B4T	Receiving pentode amplifier (obsolete, replace with 32; similar to 1E5GP, 1E5GT)
1B4T	1B4T		Obsolete, see 1B4P
1B4T/951	1B4P		Obsolete, see 1B4P
1B5	1B5/25S		See 1B5/25S
1B5/25S	1B5/25S	1B5, 25S, 25S25, 25-258	Receiving duodiode triode (obsolete)
1B7G	1B7G		Obsolete; use 1B7GT
1B7GT	1B7GT		Receiving pentagrid converter. Obsolete (similar to 1A7GT)
1B8GT	1B8GT		Receiving diode triode pentode
1B21	471		See 471
1B21A	471A		See 471A
1B22	1B22	WE1378X, 1378X	Spark gap diode modulator
1B23	1B23	WE729A	
1B23 (WECo)	1B23	729A, WE729A, 2779A	TR tube. Will replace 702B with modification kit
1B23 (Bomac)	1B23		TR tube
1B24	1B24	WX3199, X6011, REL30	TR tube
1B24A	1B24A		TR tube
1B25	1B25	S853	Gas switching tube
1B26	1B26	WX3210	TR tube
1B27	1B27		TR tube
1B28	1B28	X6012	Gas switching tube

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Tube Type	Current Service Designation	Other Number	Class Description
1B29	1B29	1437GT	Gas switching tube
1B30	1B30	ZG530	Gas switching tube
1B31	1B31	1391Z, 1391X	Gas switching tube
1B32	1B32/532A		See 1B32/532A
1B32/532A	1B32/532A	GA-5, GL532A, GL WL532A, 532A, 1B32	Diode gas discharge tube
1B33	1B33		Gas switching tube
1B34	1B34		Spark gas diode modulator. Obsolete
1B35	1B35	X6031	ATR tube. Superseded by 1B35A
1B35A	1B35A	6038, ATR414	ATR tube. Replaces 1B35
1B35A-S	1B35A-S		ATR tube
1B36	1B36	6015	ATR tube
1B36A	1B36A		ATR tube
1B37	1B37		ATR tube
1B37A	1B37A		ATR tube
1B38	1B38		Pre-TR tube
1B39	1B39	WL539A, 539A	Gas switching tube
1B40	1B40	SD847A	TR tube
1B41	1B41	WX3240D	Series spark gap diode modulator
1B42	1B42	D170135, 1438GT, FE1	Mercury cathode series gap
1B43	1B43	SD829	Gas switching tube
1B44	1B44		ATR tube
1B45	1B45	WX3240B	Gas switching tube
1B46	1B46	R1160A, 1B46/R1160A	Miniature voltage regulator
1B46/R1160A	1B46		See 1B46
1B47	1B47		Miniature voltage regulator
1B48	1B48	CK1011A	Cold cathode miniature gas diode rec- tifier, obsolete, (Replace with 5517/ CK1013) electrically interchange- able
1B49	1B49	WX3240G	Gas switching tube
1B50	1B50	X6032	TR tube
1B51	1B51	X6033	ATR tube
1B52	1B52	X6035	ATR tube
1B53	1B53		ATR tube
1B54	1B54	X6036	PRE-TR tube (note: This is definitely an active and available tube)
1B55	1B55	X6034	TR tube
1B56	1B56		ATR tube
1B57	1B57		ATR tube, similar to 1B44, 1B52, 1B53, 1B56, 1B57, 5792, 5793
1B58	1B58		Gas switching tube
1B58A	1B58A		TR tube
1B59	1B59/R1130B		Sec 1B59/R1130B
1B59/R1130B	1B59/R1130B		Cold cathode crator-glow modulator tube
1B60	1B60		TR tube, superseded by 1B24A
1B62	1B62		Modified 721B (TR)
1B63	1B63		TR tube. Replace with 1B63A

Tube Type	Current Service Designation	Other Number	Class Description
1B63A	1B63A	X6044	Improved 1B63 (see 6597, a combined TR and shutter tube.)
1B64	1B64		Miniature voltage regulator, glow discharge
1B65	1B65		Gas switching TR tube
1B67	1B67	1B67/VG10A, VG10A	Counter tube, Beta-Gamma
1B67/VG10A	1B67		See 1B67
1B68	1B68	VG-13, K-11	Beta-Gamma counter tube. Replace with MK1MOD10D
1B69	1B69	1E	Gamma counter tube
1B70	1B70	1M	Gamma counter tube
1B71	1B71	4E	Gamma counter tube
1B72	1B72	4M	Gamma counter tube
1B73	1B73	10E	Gamma counter tube
1B74	1B74	10M	Gamma counter tube
1B75	BS-6		See BS-6
1B76	1B76	100N	Beta counter tube
1B77	1B77	120C	Beta counter tube
1B78	1B78	150C	Beta-Gamma counter tube
1B79	1B79	150M	Beta-Gamma counter tube
1B80	5979		See 5979
1B81	1B81	200C	Alpha counter tube
1B83	1B83	TGC-1	Beta-Gamma counter tube
1B84	1B84	TGC-2	Beta-Gamma counter tube
1B85	1B85		Beta-Gamma counter tube
1B85A	1B85A		Beta-Gamma counter tube directly interchangeable with 6833/Anton 112
1B86	1B86		Gamma counter tube
1B87	1B87	VXG-11	Miniature Gamma counter tube
1B88	1B88		Gamma counter tube
1B89	1B89		X-ray counter tube
1B90	1B90		Beta-Gamma counter tube
1B97	1B97		Counter tube
1B98	1B98		Counter tube
1B99	1B99		Counter tube
1B100	1B100		Counter tube
1B102	1B102		Thyrode-Beta counter tube
1B105	1B105		Counter tube
1B106	1B106		Thyrode-Beta counter tube
1B124	1B124		Gamma counter tube
1B125	1B125		Cosmic-ray counter tube
1B126	1B126		Gamma counter tube
1C	3B22		See 3B22
1C3	1C3		Receiving triode voltage amplifier
1C4	1C4		Australian receiving pentode amplifier. Obsolete. Replaces with 1A4P
1C5G	1C5G		See 1C5GT - G - Replace with 1C5GT - G
1C5GT	1C5GT	VT-125	Receiving pentode amplifier (similar to 1O5GT, 1T5GT, 1A5GT)

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Tube Type	Current Service Designation	Other Number	Class Description
1C6	1C6		Receiving pentagrid converter (similar to 1A6)
1C7G	1C7G		Receiving pentagrid converter (similar to 1D7G) (Typed 1C5 characteristics)
1C8	1C8		Subminiature filamentary tape triode heptode converter
1C21	1C21		Cold cathode gas triode
1CP1	1CP1		Miniature cathode ray tube, automatic focus
1D1	1D1		(Inditron)-glow indicator tube
1D2	1D2		Receiving current regulator
1D3	1D3	SD1066A	Subminiature triode
1D4G	1D4G		Receiving RF pentode (Australian)
1D4GT	1D4GT		Receiving RF pentode (Australian)
1D5G	1D5GP		See 1D5GP
1D5GP	1D5GP	1D5G	Receiving pentode amplifier (nearest equivalent is 1D5G, similar to 1A4P and 1E5G)
1D5GT	1D5GT		Receiving tetrode amplifier (obsolete, replace with 1D5GP)
1D6	1D6		Subminiature pentode, similar to 1A6, 1A65, 1A64
1D7G	1D7G		Receiving pentagrid converter. Obsolete. Replace with 1C7G. (Type 1A6 characteristics)
1D8GT	1D8GT	VT-148	Receiving diode triode pentode
1D21	631P1		See 631P1
1D21/631P1	631P1		See 631P1
1D85	1D85		Radiation counter tube
1DN5	1DN5		Receiving diode pentode, 7 pin miniature, for portable equipment
1DP-----	1DP-----	NU2163, NU2164	Miniature cathode ray tube, electrostatic focus and deflection
1E	1B69		See 1B69
1E1	1E1		Ballast tube, supersedes 1P1
1E2	1E2		Receiving current regulator
1E3	1E3		British-UHF triode for transmitting & receiving
1E4G	1E4G		Receiving triode amplifier (obsolete, similar to 1G4GT, 1B4G and 1LE3). Use 1G4GT
1E5G	1E5G		Receiving screen grid RF amplifier (similar to 1D5GP). Obsolete
1E5GP	1E5GP	VT-170	Receiving pentode amplifier (type 1B4 characteristics)
1E5GT	1E5GT		Replace with 1K5GP
1E7G	1E7G		Receiving twin pentode amplifier
1E7GT	1E7GT		Receiving twin pentode amplifier

Tube Type	Current Service Designation	Other Number	Class Description
1E8	1E8		Subminiature pentagrid converter, similar to 1B5
1EP-----	1EP-----		Cathode ray tube, electrostatic focus and deflection
1F4	1F4		Receiving pentode amplifier (type 1F5G characteristics)
1F5G	1F5G		Receiving pentode amplifier (type 1F4 characteristics)
1F6	1F6		Receiving duodiode pentode amplifier (obsolete)
1F7G	1F7G		Receiving duodiode pentode amplifier. Obsolete. (Type 1F6 characteristics)
1F7GH	1F7GH		Receiving duodiode pentode (replace with 1F7G)
1F7GT	1F7GT		Receiving duodiode pentode (replace with 1F7G)
1F7GV	1F7GV		Receiving duodiode pentode (replace with 1F7G)
1F7GY	1F7GY		Receiving duodiode pentode (replace with 1F7G)
1G1	1G1		Receiving current regulator
1G3GT	1G3GT		Half wave vacuum rectifier
1G4G	1G4G		See 1G4GT - replace with 1G4GT
1G4GT	1G4GT		Receiving triode detector amplifier (similar to 1E4G, 1H4G)
1G5G	1G5G		Receiving pentode power amplifier (obsolete similar to 1J5G)
1G5GT	1G5GT		Receiving pentode power amplifier, obsolete
1G6G	1G6G		Obsolete. Replace with 1G6GT
1G6GT	1G6GT		Receiving twin triode amplifier
1H2	1H2		High voltage diode rectifier
1H4G	1H4G		Receiving triode detector amplifier (similar to 30, 1E4G, 1G4GT)
1H4GT	1H4GT		Receiving triode detector amplifier
1H5G	1H5G		Obsolete. Replace with 1H5GT
1H5GT	1H5GT	VT-223	Receiving diode high mu triode detector amplifier
1H6G	1H6G		Receiving duodiode triode, obsolete. (Type 1B5 characteristics)
1H6GT	1H6GT		Receiving duodiode low mu triode
1H20	1H20		Ballast tube
1H22	1H22		Ballast tube
1HT4	1HT4	6345	Ballast tube
1HTF10	1HTF10		Ballast tube
1J1	1J1		Receiving current regulator
1J3	1J3		Transmitting diode for TV hi voltage
1J5G	1J5G		Receiving pentode power amplifier. Obsolete. (Replace with 1G5G or 1J6GT if grid bias load resistance is changed)

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Tube Type	Current Service Designation	Other Number	Class Description
1J5GT	1J5GT		Receiving pentode power amplifier
1J6G	1J6G		Receiving twin triode amplifier. (Type 19 characteristics)
1J6GT	1J6GT		Receiving twin power triode
1J6GX	1J6GX		Type 1J6G with ceramic base. Obsolete. Use 1J6GT
1K015CA	1K015CA		Klystron
1K015CA/G	1K015CA/G		Klystron
1K015CG	1K015CG		Klystron, C band
1K015XA	1K015XA		Klystron, X band
1K015XC	1K015XC		Klystron, X band
1K015XG	1K015XG		Klystron, X band
1K1	1K1		Receiving current regulator
1K3	1K3		High voltage diode rectifier
1K4	1K4		Receiving duodiode pentode amplifier (Australian) (Type 1K5G characteristics)
1K5G	1K5G		Receiving duodiode pentode amplifier (Australian)
1K6	1K6		Australian
1K7	1K7		Australian receiving tube
1K75CL	1K75CL		Klystron
1L1	1L1		Receiving current regulator
1L4	1L4		Receiving miniature, button RF pentode amplifier, sharp cut off
1L5	1L5		Australian receiving tube
1L6	1L6		Receiving miniature pentagrid converter
1L21	1L21		Vacuum capacitor
1L24	1L24		Vacuum capacitor
1L25	1L25		Vacuum capacitor
1LA4	1LA4		Receiving lock in type pentode amplifier (Type 1A5G characteristics)
1LA6	1LA6		Receiving lock in type pentagrid converter (similar to 1LC6 and 1A7G)
1LB4	1LB4		Receiving power output pentode
1LB6	1LB6	1LB6GL	Receiving lock-in type pentagrid mixer
1LB6GL	1LB6		See 1LB6
1LC5	1LC5		Receiving lock-in type pentode voltage amplifier
1LC6	1LC6	VT-178	Receiving lock-in type pentagrid converter (similar to 1LA6)
1LD5	1LD5		Receiving lock-in type diode pentode amplifier
1LE3	1LE3	VT-239	Receiving lock-in type triode amplifier
1LE3SP/VT239	1LE3SP/VT239		Superseded by 1LF3
1LF3	1LF3		1LE3 with low grid current limits
1LG5	1LG5		Receiving lock-in type pentode voltage amplifier, semi remote cutoff

Tube Type	Current Service Designation	Other Number	Class Description
1LH4	1LH4	VT-177	Receiving lock-in type diode triode detector amplifier (type 1H5G characteristics)
1LN5	1LN5	VT-179	Receiving lock-in type pentode amplifier
1M	1B70		See 1B70
1M3	1M3		Electron ray tuning indicator (Canadian)
1M5	1M5		Australian receiving tube
1N	1N		Gamma counter tube
1N1	1N1		Receiving current regulator
1N3	1N3		Electron ray tuning indicator (British) Identical to 1M3 except lead length
1N5G	1N5G		Obsolete. Replace with 1N5GT
1N5GT	1N5GT	VT-146, 1N5GT/G	Receiving pentode amplifier
1N5GT/G	1N5GT		See 1N5GT
1N6G	1N6G		Receiving diode pentode power amplifier (obsolete). Use 1N6GT
1N6GT	1N6GT		Receiving diode pentode power amplifier. Obsolete
1P1	1P1		Ballast tube, replace with 1E1
1P5G	1P5G		Obsolete. Replace with 1P5GT
1P5GT	1P5GT		Receiving pentode amplifier
1P21	1P21		Vacuum multiplier phototube (selected 931A)
1P22	1P22		Vacuum multiplier phototube
1P23	1P23	GL-553	Gas phototube (868/PJ23 with painted envelope)
1P24	1P24	GL-564, C7063, ZP516, 516, 936, GL-516, RCA-936	Vacuum phototube. Obsolete. (Nearest equivalent is 936)
1P25	1P25	C7493, L-B13	Phototube
1P25A	1P25A		Selected 1P25, phototube
1P25G	1P25G		Phototube. Obsolete
1P28	1P28		Photo multiplier (ultraviolet responsive 931A)
1P29	1P29	FG401, FJ401	Gas phototube (violet-green sensitive)
1P30	1P30	CE2C, 71A3	Gas phototube (red, infra-red sensitive)
1P31	1P31	CE3D, WE3A, 79A4, G10, 3A	Gas phototube (red, infra-red sensitive)
1P32	927		See 927, improved version
1P33	1P33	CE26D	Gas phototube (red infra-red sensitive)
1P34	1P34	CE48	Gas phototube (red infra-red sensitive)
1P35	1P35	1P35/52A3, 52A3	Gas phototube (red infra-red sensitive)
1P35/52A3	1P35		See 1P35

Tube Type	Current Service Designation	Other Number	Class Description	
1P36	1P36	58A3, CE4C	Gas phototube (red infra-red sensitive)	
1P37	1P37	C7106	Gas phototube, blue sensitive	
1P38	1P38		Photo electric cell	
1P39	1P39		Vacuum phototube blue sensitive. Improved 929	
1P40	1P40		Gas phototube, infra-red sensitive	
1P41	1P41		Gas phototube, infra-red sensitive. Similar to 924	
1P42	1P42		Vacuum phototube, blue sensitive	
1Q1	1Q1		Receiving, current regulator	
1Q5G	1Q5G		Obsolete. Replace with 1Q5GT	
1Q5GT	1Q5GT		Receiving pentode power amplifier (similar to 1C5GT, 1T5GT, and 1A5GT)	
1Q6	1Q6		Subminiature filamentary type diode pentode detector amplifier	
1Q21	1Q21		Reference cavity, tunable	
1Q22	1Q22		Reference cavity, tunable	
1Q23	1Q23		Reference cavity, tunable, 5846 similar	
1Q24	1Q24		Reference cavity, 6040 similar	
1Q25	1Q25		Reference cavity	
1Q26	1Q26		Reference cavity	
1Q26A	1Q26A		Reference cavity, tunable, 5846 similar	
1R4	1R4/1294		1R4, 1294, VT-183	See 1R4/1294
1R4/1294	1R4/1294			Receiving lock-in type UHF diode detector rectifier
1R5	1R5	VT-171	Receiving miniature type pentagrid converter, similar to 1E8	
1R6	1R6	VC1568	Miniature filamentary reactance modulator	
1R21	1R21	GL415, 5550	Mercury pool rectifier ignitron, forced air cooled	
1RBL	1RBL	CE1RBL, NU1RBL	Phototube. Same as NUI except for basing	
1RBS	1RBS	59AP, CE1RBS, NU1RBS	Phototube. Same as NUI except for basing	
1S1G	1S1G	1S2A	Receiving current regulator	
1S2	1S2		Miniature high vacuum single anode rectifying tube for TV receivers. Canadian	
1S2A	1S2A	1S2	Miniature high vacuum single anode rectifying tube for TV receivers. Canadian	
1S4	1S4	VT-210	Receiving miniature type pentode power amplifier	
1S5	1S5	VT-172	Miniature type diode pentode detector, similar to 1U5	

Tube Type	Current Service Designation	Other Number	Class Description
1S6	1S6		Subminiature diode pentode
1S22	1S22		Vacuum switch
1SA6GT	1SA6GT		Receiving RF pentode. Obsolete
1SB6GT	1SB6GT		Receiving diode pentode. Obsolete
1T1G	1T1G		Receiving current regulator
1T2	1T2		Diode, high voltage vacuum half wave rectifier. British
1T4	1T4	VT-173	Receiving miniature pentode RF amplifier remote cut off
1T5GT	1T5GT		Receiving tetrode power amplifier (similar to 1Q5GT, 1C5GT, 1A5GT)
1T6	1T6		Receiving subminiature diode AF pentode
1U1	1U1		Receiving current regulator
1U4	1U4	DT153	Miniature version of 1LN5 pentode
1U5	1U5		Miniature type diode pentode, 1S5 with new basing
1U6	1U6		Miniature pentagrid converter
1V	1V	6Z3	Receiving half wave high vacuum diode rectifier
1V2	1V2		Miniature high voltage half wave rectifier
1V5	1V5		Subminiature filamentary type pentode amplifier
1V6	1V6		Subminiature triode pentode. (converter)
1W1	1W1		Ballast tube
1W4	1W4		Miniature pentode power amplifier
1W5	1W5	SD828F	Subminiature filamentary type pentode RF amplifier, sharp cutoff
1X2	1X2		Miniature half wave high voltage rectifier (version of 1B3GT/8016)
1X2A	1X2A		Improved 1X2. Superseded by 1X2B
1X2B	1X2B		Miniature diode
1Y1	1Y1		Receiving current regulator
1Y2	1Y2		High voltage half wave rectifier
1Z1	1Z1		Ballast tube
1Z2	1Z2	R1045	Miniature type diode vacuum rectifier
A2	A2		X-ray diffraction tube (cooper target)
ARD 2	VR78 (Br.)		See VR78 (Br.)
B2A	2050		See 2050
BL2	BL2		TR tube
BS2	5980		See 5980
BS2/5980	5980		See 5980
CE2	CE2A/B, C, D		Phototube. See CE2C
CE2A/B	CE2A/B		Phototube
CE2C	1P30		See 1P30
CE2D	CE2D		Gas phototube, red infra-red

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Tube Type	Current Service Designation	Other Number	Class Description
2-240A	2-240A		Half wave high vacuum rectifier, similar to UH-576X
2-250A/250R	250R		See 250R
2-2000A	2-2000A		High vacuum rectifier
2A	2A		Transistor
2A3	2A3	VT-95	Receiving triode power amplifier (Similar to 6A3, 45) See also 5930. Not directly interchangeable.
2A3A	2A3A		Obsolete-superseded by 5930
2A3H	2A3H		Obsolete cathode type
2A3W	5930		See 5930 (ruggedized version of 2A3)
2A4G	2A4G		Thyratron, gas triode
2A5	2A5	PZH	Receiving pentode power amplifier (Type 42 characteristics)
2A6	2A6		Receiving duodiode triode detector amplifier (Type 75 characteristics)
2A7	2A7		Receiving pentagrid converter - obsolete (Type 6A7 characteristics)
2A21	2A21		Ballast tube
2A22	2A22		Ballast tube
2AC15	2AC15		Receiving diode rectifier, electrically interchangeable with X6030 which has local base
2AF4	2AF4		Miniature medium mu triode converter
2AF4A	2AF4A		Miniature medium mu triode similar to 6AF4
2AF4B	2AF4B		Miniature medium mu triode, similar to 2AF4
2AP1	2AP1	1814P1, C7483, C7418	Cathode ray tube, superseded by 2AP1A
2AP1A	2AP1A		Cathode ray tube, electrostatic focus and deflection
2AP1W	2AP1W		Ruggedized version of 2AP1
2AS15	2AS15		Receiving high vacuum diode rectifier
2B3	2B3		Receiving diode, version of 1B3-GT
2B4	2B4		Gas triode, similar to 884 and 885
2B5	2B5		Subminiature double triode
2B6	2B6		Receiving amplifier (obsolete)
2B7	2B7		Receiving duodiode pentode detector amplifier (Type 6B7 characteristics)
2B14	2B14		Ballast tube
2B21	2X2A		See 2X2A
2B22	2B22		Receiving diode UHF detector, modified 559
2B23	2B23		Receiving magnetically controlled diode
2B24	2B24	QF197	Subminiature diode, filament type, flat press

Tube Type	Current Service Designation	Other Number	Class Description
2B24A 2B25	2B24A 2B25	CK1091, 1091	Subminiature diode Receiving - Miniature type diode vacuum rectifier. Obsolete
2B26	2B26	866JR	Transmitting diode gas rectifier (equivalent to 816 except plate terminal is on base)
2B27 2B35	2B27 VR92 (Br.)	ZP447, REL35	Receiving UHF diode detector 2B35 cancelled by RMA - See VR92 (Br.)
2B36	VR78 (Br.)		2B36 cancelled by RMA - See VR78 (Br.)
2BN4	2BN4		Miniature medium mu triode with controlled warm up time, similar to 6BN4
2BN4A	2BN4		Miniature medium triode similar 6BN4
2BP1	2BP1		Cathode ray tube, electrostatic focus and deflection
2BP1A	2BP1A		Cathode ray tube, electrostatic focus and deflection
2BP7 2BP11	2BP7 2BP11		Cathode ray tube. Obsolete Cathode ray tube, electrostatic focus and deflection
2BT 2C4	2BT 2C4	EE2BT	High vacuum diode rectifier Miniature thyatron, gas triode, button type
2C21	2C21	RK33, 1642, 2C21/1642	Transmitting and receiving twin triode
2C21/1642 2C22	2C21 2C22		See 2C21 Transmitting and receiving HF triode amplifier (similar to 7193)
2C23	10Y		See 10Y
2C24	2C24	HY-144, HY114	Receiving UHF triode
2C25	VT25A		See VT25A
2C26	2C26	D-10	Superseded and replaced by 2C26A
2C26A	2C26A		Transmitting UHF triode
2C27	2C27	QF200C	Subminiature triode
2C28	2C28	SA780	Subminiature triode
2C29	2C29	X102G	Transmitting UHF triode amplifier
2C29WA	2C29WA	7289	Transmitting UHF triode amplifier
2C30	2E30		See 2E30
2C31	2C31	X102L	Transmitting UHF triode amplifier. Never made
2C32	2C32		Transmitting UHF special purpose
2C33	2C33	RX233, RX233A	Thyratron
2C34	2C34	RK34, CV18, CV18 (Br), DET19	Transmitting twin triode. Nearest equivalent are British CV18, DET19, VT61, VT61A and VT61B
2C35	2C35	QF-215	Receiving UHF triode oscillator

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Tube Type	Current Service Designation	Other Number	Class Description
2C36	2C36	SB846	Transmitting UHF triode (similar to SB846A, B)
2C37	2C37	SB846A	Probeless version of 2C36
2C38	2C38	L-30-C	Receiving UHF triode oscillator. Similar to 2C39
2C39	2C39WA		Superseded by 7289. See 7289
2C39A	2C39WA	X474	Superseded by 7289. See 7289
2C39B	2C39WB		Superseded by 7289. See 7289
2C39WA	2C39WA	2C39A, 3X100A11	Superseded by 7289. See 7289
2C39WB	2C39WB	3CX100A5, 2C39B	Superseded by 7289. See 7289
2C40	2C40	A2229A, REL34, 2179A	Receiving UHF triode. Replaces 446, 446A, and 446B
2C40A	2C40A		UHF triode, lighthouse type
2C41	7289	ZP602, L-30-P	See 7289
2C42	2C42	A2293C	Special 2C43
2C43	2C43	GL464A, ZP6B, 464, A2222, ZP464, 464A, A2203	Transmitting and receiving UHF triode amplifier. Replaces 464, 464A, and 2C44
2C44	2C44	GL464	Transmitting and receiving UHF triode amplifier oscillator (superseded by 2C43)
2C45	38142		See 39142
2C46	2C46	A2294C	Selected 2C43
2C47	2C47		
2C48	2C48	QL134	Special twin triode (designed to supersede 7C5 for certain servo amplifier applications) See 2C50
2C49	2C49	Z682	Pulse version of 2C40
2C50	2C50	CK1800	Identical to 2C48 except triode connections are brought out independently. See also TE 19
2C51	2C51	1491, 396A, 2C51/396A	Miniature twin triode. See also 5670 and 6185. Not interchangeable
2C51/396A	2C51		See 2C51
2C51W	5670		See 5670
2C52	2C52		Receiving high Mu double triode. See also TE-20
2C53	2C53	M1060	High voltage triode
2CY5	2CY5		Receiving sharp cutoff tetrode, miniature
2D21	2D21	2D21/R6200	Miniature thyratron. See also 5727/2D21W
2D21/R-6200	2D21		See 2D21
2D21W	2D21W		Thyratron, gas tetrode
2D28	2D28		Receiving type special purpose
2D29	2D29	SA782B, GE-NS4	Subminiature thyratron
2DF4	2DF4		Receiving filamentary pentode
2E5	2E5		Electron ray tuning indicator (Type 6E5 characteristics)
2E21	2E21		Receiving type special purpose tube

Tube Type	Current Service Designation	Other Number	Class Description
2E22	2E22	TS70, DT-70, TR70	Transmitting pentode
2E24	2E24		Transmitting beam power amplifier
2E25	2E25	D25	Transmitting tetrode amplifier oscillator (improved 65)
2E25A	2E25A		Improved 2E25
2E26	2E26	6893	Transmitting beam power amplifier, equivalent to 6893
2E27	2E27	QF206	Subminiature pentode. Superseded by 2E29
2E28	2E28	HY-145ZT	Receiving subminiature type pentode
2E29	2E29	SA781A	Receiving subminiature type pentode
2E30	2E30	HD59, 2C30	Miniature filamentary type beam tetrode
2E31	2E31	553AX	Subminiature radio frequency pentode-long leads
2E32	2E32	553AY	Subminiature radio frequency pentode-short leads. Use 2E31
2E35	2E35	502AX	Subminiature power pentode - long leads
2E36	2E36	502AY, CK502AX	Subminiature power pentode - short leads. Use 2E35
2E41	2E41	551AX	Subminiature diode pentode - long leads
2E42	2E42	551AY	Subminiature diode pentode - short leads. Use 2E41
2EA5	2EA5		Sharp cutoff miniature tetrode
2EN5	2EN5		Miniature double diode
2F21	2F21	C7364	Small cathode ray monoscope tube, improved version of 1899
2FV20	2FV20		Oscillator (medical and surgical)
2G5	2G5		Electron ray tuning indicator (type 6U5/6G5 characteristics)
2G21	2G21	555AX	Subminiature triode heptode - long leads, similar to 6K8
2G22	2G22	555AY	Subminiature triode heptode - short leads. Use 2G21
2H8	2H8		Ballast tube
2H21	2H21		Phase modulator for FM
2J2	2J2		Miniature diode (British)
2J21	2J21	WL442, D2RN1, Y2, D2, WL422, 442	Replace with 2J21A
2J21A	2J21A		Magnetron. Supersedes 2J21
2J22	2J22	J-714, J1, 714	Magnetron See 2J52
2J23	2J23	K-O	Magnetron
2J24	2J24	K-O	Magnetron
2J25	2J25	K-O	Magnetron
2J26	2J26	K-O	Magnetron. May be replaced with 2J58
2J27	2J27	K-O	Magnetron. May be replaced with 2J58

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Tube Type	Current Service Designation	Other Number	Class Description
2J28	2J28	K-O	Magnetron
2J29	2J29	K-O	Magnetron
2J30	2J30	K7	Magnetron. See also 2J66
2J31	2J31	K7	Magnetron. See also 2J67
2J32	2J32	K7RF4, WL441	Magnetron. See also 2J68
2J33	2J33	K7	Magnetron. See also 2J69
2J34	2J34	K7	Magnetron
2J35	2J35		Magnetron. Obsolete
2J36	2J36		Magnetron
2J36A	2J36A		Magnetron
2J37	2J37		Magnetron, obsolete
2J37A	2J37A		Magnetron. Tunable 2J37
2J38	2J38		Packaged Magnetron
2J39	2J39		Packaged Magnetron
2J40	2J40		Magnetron
2J41	2J41	A121, A2116	Packaged Magnetron, tunable
2J42	2J42	LVX, 6001, LD2, A116	Packaged Magnetron
2J42A	6027		See 6027, for high altitude version see 6527
2J42H	2J42H		Magnetron, fixed frequency, pulsed, air cooled.
2J43	2J43		Magnetron
2J44	2J44		Magnetron
2J45	2J45	505	Packaged Magnetron
2J46	2J46	505	Packaged Magnetron
2J47	2J47	DRH505,505	Magnetron
2J48	2J48		Magnetron
2J49	2J49	1392M	Magnetron
2J50	2J50	1393M	Magnetron
2J51	2J51	1424MQ, 1424M	Magnetron. Tunable 725
2J51A	2J51A		Magnetron, pulsed, tunable, air cooled
2J51W	QK237		See QK237
2J52	2J52		Magnetron. Tunable 2J22
2J53	2J53	2J53/725A	Magnetron. Improved 725A, fixed frequency, pulse type
2J53/725A	2J53		See 2J53
2J54	2J54		Magnetron
2J54A	2J54A		Magnetron
2J54B	2J54B		Magnetron
2J55	2J55	QK47	Packaged magnetron, fixed tuned, pulsed
2J56	2J56		Packaged magnetron, pulsed, air cooled, fixed frequency
2J57	2J57		Magnetron. Obsolete
2J58	2J58		Magnetron. Tunable 2J26-27, fixed frequency
2J59	2J59		Magnetron, tunable, pulsed
2J60	2J60		Magnetron

Tube Type	Current Service Designation	Other Number	Class Description
2J61	2J61		Magnetron. Replaces 705AY-DY inclusive. Obsolete, superseded by 2J61A
2J61A	2J61A		Improved version of 2J61
2J62	2J62	706T1	Magnetron. Replaces 706DY-GY inclusive. Obsolete, superseded by 2J62A
2J62A	2J62A		Improved version of 2J62
2J64	2J64	A124	Forced air-cooled tunable magnetron
2J65	2J65		Type 2J41 without stabilizer
2J66	2J66	K7T1	Magnetron. Tunable 2J30
2J67	2J67	K7T2	Magnetron. Tunable 2J31
2J68	2J68	K7T3	Magnetron. Tunable 2J32
2J69	2J69	K7T4	Magnetron. Tunable 2J33
2J70	2J70		Packaged Magnetron, fixed frequency, pulsed
2J71	2J71		Packaged Magnetron
2K21	2K21	WL421, 421C, 421	Klystron
2K22	2K22	1400XQ	Klystron
2K23	2K23	1428XQ	Klystron, CW oscillator
2K24	2K24	1409XQ	Klystron
2K25	2K25	1410XQ, 2K25/723A/B, 723A/B	Reflex Klystron oscillator, output power 1.3 watts
2K25/723A/B	2K25		See 2K25
2K25/723A	2K25		See 2K25
2K25/723B	2K25		See 2K25
2K25W	2K25W		Ruggedized version of 2K25. Never made
2K26	2K26	1411XQ, 1412XQ	Klystron
2K27	2K27	1413XQ	Klystron. Obsolete
2K28	2K28	QK28, QK28	Klystron equivalent to 707B except for height
2K28A	6133		See 6133
2K29	2K29	1414XQ - 1415XQ	Klystron
2K30	2K30		Klystron
2K31	2K31	Sperry 411	Klystron
2K32	2K32	412	Klystron, S band
2K33	2K33	QK33	Klystron
2K33A	2K33A		Klystron. Obsolete. Use 2K33
2K33B	2K33B		2K33 with hand control knob
2K34	2K34		Klystron
2K35	2K35		Klystron
2K36	2K36	416	Klystron. See also 2K47
2K37	2K37		Klystron
2K38	2K38	418	Klystron
2K39	2K39	419B	Klystron oscillator, 7.5 to 10.3 KMc, P.O.1/4W minimum
2K40	2K40	1280CT, D164694	Klystron
2K41	2K41		Improved version of 417B, forced air cooled

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Tube Type	Current Service Designation	Other Number	Class Description
2K42	2K42	XG8071	CW Klystron oscillator
2K43	2K43	XG7893	Reflex Klystron oscillator
2K44	2K44	XG8072	Reflex Klystron oscillator
2K45	2K45	1407XQ	Klystron. See QK258
2K46	2K46		Klystron
2K47	2K47		Klystron. Similar to 2K36
2K48	2K48	1429CT8	Klystron
2K49	2K49	1429CT9	Klystron. Obsolete. Use 2K48
2K50	2K50	1462, 1364XQ	Klystron
2K51	2K51	WX3243A	Klystron
2K52	2K52	WX3243B	Klystron
2K53	2K53	WX3243C	Klystron
2K54	2K54	1468	Klystron
2K55	2K55	1469	Klystron
2K56	2K56	397A	Klystron
2K57	2K57		Klystron
2KB72	2KB72		Obsolete. Use 2P23
2P21	2P21	C7557A, C7557	Television pick-up tube
2P22	2P22		Smaller version of 2P21
2P23	2P23		Television pick-up tube, infra red response
2Q28	2K28		See 2K28
2RA3	CE213		See CE213
2RA5	CE205		See CE205
2RA6	CE206		See CE206
2RA15	CE215		See CE215
2RBS	2RBS		Phototube (same as NU2 except for basing)
2S	2S/4S		See 2S/4S
2S/4S	2S/4S	2S, 4S	Duodiode detector (obsolete)
2S/M15	2S/M15		Emission limited diode, receiving tube
2T4	2T4		Equivalent to 6T4
2TA6	2TA6		Receiving miniature UHF triode for TV
2V	2V	CE-2V, NU-2V	Line time base output pentode (Dutch)
2V2	2V2		Phototube
2V3G	2V3G		High voltage, diode TV rectifier
2W3	2W3		Special purpose diode vacuum rectifier
2W3GT	2W3GT		Receiving diode rectifier
2X2	2X2	143D, 879, 2X2/879	Receiving diode rectifier
2X2/879	2X2		Special purpose diode vacuum rectifier - See 2X2A
2X2A	2X2A	2B21, H2-10	See 2X2
			Improved 2X2
			Ruggedized version of 2X2A. Never made
2X2W	2X2W		Ruggedized version of 2X2A.
			Never made
2Y2	2Y2		Obsolete - similar to type 2X2

Tube Type	Current Service Designation	Other Number	Class Description
2Z2	2Z2/G84	G84	Receiving diode rectifier (obsolete)
2Z2/G4	2Z2/G4	2Z2	Receiving diode rectifier (obsolete)
BCT-3	BCT-3		British cathode ray tube
BL3	BL3		TR tube
BR-3	5835		See 5835
BS-3	BS-3		Geiger-Muller counter tube
C3A14	EL-C3A14		Thyratron, gas filled, indirectly-heated cathode
C3A14W	EL-C3A14W		Thyratron, inert gas
C3H	C3H		Grid control rectifier tube, tantalum anode
C3J	5632/C3J		See 5632/C3J
C3J-A	5684/C3J/A		See 5684/C3J/A
C3P14	C3P14		Gas filled thyratron
C3R14	C3R14		Xenon filled thyratron
CE3A/B	CE3A/B	WG3A, 79A, 803A	Phototube
CE3C	CE3C		Phototube
CE3C23	3C23		See 3C23
CE3D	1P31		See 1P31
CE3E	CE3E		Phototube
DHA-3	DHA-3		Traveling wave amplifier
EE 3B27	3B27		See 3B27
EL3B	EL3B		Half wave gas rectifier
EL3C	4B24		See 4B24
ELC3J	5632/C3J		See 5632/C3J
ELC3J/L	7216		See 7216
ELC3L	6982		See 6982
EM3GA	EM3GA		Electrostatic storage tube
GB-3	GB-3		Magnetron
GV3A-950	GV3A-950		Corona Voltage Regulator
GV3A-2500	GV3A-2500		Corona voltage regulator
GV3B-700	GV3B-700		Corona voltage regulator
HA-3E	HA-3E		Traveling wave tube
HA-3RA	HA-3RA	M2203D	Traveling wave tube
ML3W	ML3W		Rectifier (medical and surgical)
NB3	NB3		Ballast tube (obsolete)
NE3	NE3		Unbased argon lamp
P3	P3		Hearing aid tube
PAX-3	PAX-3		Magnetron, tunable, X band
PM3	PM3		Power measurement lamp
REL3B	310A		See 310A
REL3BX	REL3BX	3BHP	Transmitting UHF oscillator (Canadian)
REL3C	CV38		See CV38
REL3D	NT98	UK310P, 315D, E1189, W2510	See NT98
REL3DX	CV56		See CV56
RV3	RV3		CW Magnetron, K band, tunable
WE3A	1P31		See 1P31
WG3A	CE3A/B		See CE3A/B

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Tube Type	Current Service Designation	Other Number	Class Description
X-3	X-3		Ceramic type 2C39A
3	3		Receiving ballast tube
3-4	3-4		Ballast tube
3-15A3/15E	15E		See 15E
3-16	3-16		Receiving ballast tube
3-25A3/25T	HK24		See HK24
3-25D3/25TG	3C24		See 3C24
3-38	3-38		Ballast tube
3-38A	A-38A		Ballast tube
3-40	3-40		Ballast tube
3-50	3-50		Ballast tube
3-50A	3-50A		Ballast tube
3-50A4/35T	35T		See 35T
3-50D4/35TG	35TG		See 35TG
3-50G2/UH50	UH50		See UH50
3-50J4/53A	53A		See 53A
3-50M2/UH51	UH51		See UH51
3-75A2/75TL	75TL		See 75TL
3-75A3/75TH	75TH		See 75TH
3-100A2/100TL	100TL		See 100TL
3-100A4/100TH	100TH		See 100TH
3-100D2/VT127A	VT127A		See VT127A
3-100E3/227A	227A		See 227A
3-100G3/327A	327A		See 327A
3-100H3/327B	327B		See 327B
3-150A2/152TL	152TL		See 152TL
3-150A3/152TH	152TH		152TH
3-200A3	3-200A3		See also 592, Triode power amplifier oscillator
3-250A2/250TL	250TL		See 250TL
3-300A2/304TL	304TL		See 304TL
3-300A3/304TH	304TH		See 304TH
3-300A4/527	527		See 527
3-400Z	8163		See 8163
3-450A2/450TL	450TL		See 450TL
3-450A4/450TH	450TH		See 450TH
3-750A2/750TL	750TL		See 750TL
3-1000A4/1000T	1000UHF		See 1000UHF
3-1000Z	8164		See 8164
3-1500A3/1500T	1500T		See 1500T
3-2000A3/2000T	2000T		See 2000T
3A	1P31		See 1P31
3A1	3A1		Pentode gas rectifier (Ignition, obsolete)
3A2	3A2		Half wave rectifier
3A3	3A3		Half wave rectifier
3A4	3A4		Miniature button pentode amplifier
3A5	3A5		Miniature twin triode
3A8GT	3A8GT	VT-149	Receiving diode triode pentode
3A20	3A20		Ballast tube

Tube Type	Current Service Designation	Other Number	Class Description
3ABP-----	3ABP-----		Cathode ray tube, flat face, electrostatic focus and deflection, two guns
3ACP-----	3ACP-----	K1105	3 inch, Cathode ray tube, electrostatic focus and deflection, one gun
3ADP-----	3ADP-----	K1065	3 inch, Cathode ray tube, electrostatic focus and deflection, one gun.
3AF4A	3AF4A		Receiving, miniature triode, similar to 6AF4A except heater.
3AHP-----	3AHP-----		Cathode ray tube, rectangular, electrostatic focus and deflection, one gun, 3, inch diameter
3AKP-----	3AKP-----		Cathode ray tube, magnetic deflection, electrostatic focus
3AL5	3AL5		Miniature receiving double diode similar to 6AL5
3AP-----	3AP-----	2501A3, C3, D3, 34XH, C7350, 906P-----	Cathode ray tube, electrostatic focus and deflection, one gun.
3AQP-----	3AQP-----		Cathode ray tube, electrostatic focus and deflection
3ASP-----	3ASP-----		Cathode ray tube, rectangular, electrostatic deflection and focus
3AV6	3AV6		Receiving tube for series string, similar to 6AV6 (except heater)
3B	3B		Half wave, gas rectifier
3B2	3B2		Half wave vacuum rectifier
3B4	3B4	HD30	Receiving power pentode
3B4WA	3B4WA		Receiving power pentode
3B5GT	3B5GT		Receiving pentode power amplifier
3B7	3B7	1291, 3B7/1291, VT-182	Receiving lock in type UHF twin triode amplifier
3B7/1291	3B7		See 3B7
3B7SP	3B7SP/VT182		H-F Triode, receiving
3B21	3B21	EL-302.5	Obsolete. Replace with 3B22
3B22	3B22	EL1C, 1C, CE222	Transmitting duodiode gas rectifier (nearest equivalent is 3B21)
3B23	3B23	RK22	Transmitting duodiode vacuum rectifier
3B24	3B24	732A, WE732A, 428T, CE230, 1299XQ, 429T	Transmitting diode vacuum rectifier (modified 705A, See 72)
3B24W	3B24W		Ruggedized version of 3B24
3B24WA	3B24WA		Improved 3B24WA
3B24WB	3B24WB		Improved 3B24WA. Supersedes 3B24WA
3B25	3B25		Transmitting diode gas rectifier (Replaced with 3B28)
3B26	3B26	QK36	Special purpose diode, 73 with unipotential cathode. See QK95
3B27	3B27	EE3B27	Obsolete. Transmitting diode vacuum rectifier (improved 836), similar to 3B28.

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Tube Type	Current Service Designation	Other Number	Class Description
3B28	3B28		Transmitting diode gas rectifier - similar to 3B25, 3B27, 836, 866A
3B28A	3B28A/6277	6277	See also 6277. Inert gas HW rectifier
3B29	3B29	QK95	High vacuum clipper diode. Improved 3B26
3B29W	3B29W		Improved 3B29
3B/501A/CV49	3B/501A/CV49	CV49	See CV49
3BA6	3BA6		Receiving remote-control pentode, miniature similar to 6BA6, and 12BA6, except filaments
3BFP-----	3BFP-----		Cathode ray tube, electrostatic focus and deflection
3BGP-----	3BGP-----		Cathode ray tube, rectangular, electrostatic focus and deflection
3BN4	3BN4		Miniature triode, for series string applications
3BN4A	3BN4A		Miniature receiving triode, similar 3BN4
3BP1	3BP1		Cathode ray tube, electrostatic focus and deflection
3BP1A	3BP1A		Zero Ib1 version of 3BP1
3BP1W	3BP1W	C7488B	Ruggedized version of 3BP1. Never made
3BP-----	3BP-----		Cathode ray tube, electrostatic focus and deflection
3BU8	3BU8		Miniature medium mu triode
3BZ6	3BZ6		Receiving tube for series string application, see also 6BZ6
3C	4B24		See 4B24
3C2	3C2		Diode for TV high voltage applications
3C4	3C4		Miniature output pentode (Dutch)
3C5GT	3C5GT		Receiving power output pentode
3C6	3C6		Receiving lock in type twin triode amplifier
3C21	120		See 120
3C22	3C22	522, GL522, ZP522	Transmitting UHF triode amplifier oscillator
3C23	3C23	CE3C23, CE311, NL3C23	Thyratron (similar to 393A)
3C24	3C24	HK24G, 25TG, 3-25D3/25TG	Transmitting UHF triode (Type 25T with grid at side)
3C25	3C25		Transmitting UHF special purpose. Obsolete. Use 8025A
3C26	3C26	X129D	Transmitting UHF triode amplifier
3C27	3C27		Transmitting triode UHF oscillator. Obsolete. Use 3C37. (Similar to British CV55 and E1458)
3C27A	3C27A		3C27 designed for higher duty cycle. Obsolete. Use 3C37

Tube Type	Current Service Designation	Other Number	Class Description
3C27B	3C27B		3C27 with grid radiator. Obsolete. Superseded by 3C37
3C28	3C28		Transmitting HF triode amplifier (3C24 with 2 grid leads)
3C29	3C29	ZP449	Transmitting UHF triode amplifier-oscillator (superseded by GL522, now the 3C22)
3C30	3C30	HD50	6.0 volt filament version of HY30Z (Class B Audio amplifier)
3C31	3C31/C1B		See 3C31/C1B
3C31/C1B	3C31/C1B	C1B, CE303, ELC1B, 3C31	Thyratron. Superseded by 5664
3C31A	3C31A		Thyratron
3C32	3C32	A2214B	Transmitting UHF triode amplifier
3C33	3C33		Transmitting, twin triode
3C34	HK24		Hydrogen thyratron-transmitting triode power amplifier oscillator (3C24 with grid lead in base) -See HK24
3C36	3C36	R1001	Transmitting UHF coaxial triode oscillator and amplifier, water and forced air cooled
3C37	3C37	3X150A3/3C37	Transmitting triode, modified 3C27 and 3C27A
3C45	3C45	H45, ZG547, 5137	Thyratron. Hydrogen. See 6130
3C45/6130	6130		See 6130
3C45W	3C45W		Ruggedized version of 3C45
3CE5	3CE5		Miniature receiving hi transconductance, sharp cut off pentode, similar to 4CE5 and 6CE5
3CF6	3CF6		Receiving sharp cut off pentode
3CP-----	3CP-----	1808P-----, C7332	Cathode ray tube
3CP1-S1	3CP1-S1		Cathode ray tube with decalcomania inscription
3CS6	3CS6		Receiving, miniature, dual control heptode, similar to 6CS6
3CX100A5	7289		See 7289
3CX100F5	8250		See 8250
3CX10000A3	8159		See 8159
3CX10000A7	8160		See 8160
3CY5	3CY5		Sharp cut off tetrode, miniature, similar to 4CY5, 6CY5, 2CY5
3D6	3D6/1299		See 3D6/1299
3D6/1299	3D6/1299	1299, 3D6, VT-185	Receiving UHF pentode amplifier (similar to 3LF4)
3D21	3D21	D21, H5015	Transmitting tetrode modulator (superseded by 3D21A)
3D21A	3D21A		Improved version of 3D21, ST-14 envelope
3D21B	3D21B		3D21A with T-12 envelope

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Tube Type	Current Service Designation	Other Number	Class Description
3D21WA	3D21WA		Improved 3D21A, superseded by 3D21WB, see also 7403
3D21WB	3D21WB		Improved 3D21B
3D22	3D22		Thyratron (tetrode), gas filled
3D22A	3D22A		Improved version of 3D22, of sturdy construction
3D23	3D23	TB35	Transmitting tetrode amplifier oscillator
3D24	3D24		VHF, Transmitting tetrode
3D29	3D29		Transmitting special purpose
3DHP	CV56		See CV56
3DK6	3DK6		Sharp cut off pentode, for HF amplifier, similar to 4DK6, 6DK6
3DP1	3DP1	ZP526, C7497	Cathode ray tube, electrostatic focus and deflection
3DP1A	3DP1A		Zero Ibl version of 3DP1
3DP1AS1	3DP1AS1		Zero Ibl version of 3DP1 with decalcomania
3DP1AS2	3DP1AS2		Zero Ibl version of 3DP1 with decalcomania
3DP-----	3DP-----		Cathode ray tube, electrostatic focus and deflection for oscillograph applications
3DT6	3DT6		Miniature sharp cut-off pentode, similar to 6DT6 and 4DT6
3E5	3E5		Receiving miniature beam power pentode
3E6	3E6		Receiving lock-in type sharp cut-off pentode amplifier
3E21	3E21		Transmitting twin pentode amplifier
3E22	3E22		Transmitting twin pentode amplifier
3E29	3E29	829A	Transmitting twin pentode amplifier
3EA5	3EA5		Miniature sharp cut off tetrode
3EP1	3EP1	1806P1, VT-226	Cathode ray tube. Obsolete, use 902A or applicable 3AP----- version
3EP4	3EP4	1806P4	Cathode ray tube (replace with 3AP1)
3FP7	3FP7	ZP540	Cathode ray tube, superseded by 3FP7A
3FP7A	3FP7A		Zero Ibl version of 3FP7. Cathode ray tube electrostatic focus and deflection
3GP-----	3GP-----	(2537A3, C3, D3)	Cathode ray tube, electrostatic focus and deflection. Superseded by 3GP-----A
3GP-A	3GP-A		Zero Ibl version of 3GP1
3HP7	3HP7	C7501, ZP542	Cathode ray tube. Magnetic focus and deflection
3J21	3J21	1456M	Packaged magnetron. Obsolete
3J22	3J22	SD849B	Magnetron

Tube Type	Current Service Designation	Other Number	Class Description
3J24	3J24	GL484, 484, ZP484	Magnetron
3J25	3J25	GL485, ZP485	Magnetron
3J26	3J26	GL486, ZP486, 486	Magnetron
3J30	3J30	X6000, WX3158	Replace with 3J31
3J31	3J31	X6003, E5A	Magnetron
3J35	3J35	GL505	Magnetron
3JP-----	3JP-----	C7523B	Cathode ray tube, electrostatic focus and deflection
3K21	3K21	410-1L	Klystron (version of 410R)
3K22	3K22	XZA8073	Klystron (version of 410R)
3K23	3K23	R5660201, R566021	Klystron (version of 410R)
3K24	3K24		3K21 with tuner
3K25	3K25		3K22 with tuner
3K26	3K26		3K30 with tuner
3K27	3K27		Klystron
3K30	3K30		Klystron (version of 410R)
3K3000LA	3K3000LA		CW klystron, forced air cooled, three cavity, forced air cooled
3K3000LQ	3K3000LQ		CW klystron, three cavity, forced air cooled
3K20000LA	3K20000LA		CW klystron, three cavity, L band amplifier, tunable 470-580 Mc., water and forced air cooled
3K20000LF	3K20000LF		CW klystron, three cavity, L band amplifier tunable 580-720 Mc., water and forced air cooled
3K20000LK	3K20000LK		CW klystron, three cavity, L band amplifier, tunable 720-890 Mc., water and forced air cooled
3K50000LA	3K50000LA		CW klystron, three cavity, L band amplifier, water and forced air cooled
3K50000LF	3K50000LF		CW Klystron three cavity, L band amplifier, water and forced air cooled
3K50000LF	3K50000LK		CW Klystron three cavity, L band amplifier, water and forced air cooled
3K50000LQ	3K50000LQ		CW Klystron three cavity, L band amplifier, water and forced air cooled
3KM3000LA	3KM3000LA		CW Klystron three cavity, L band, forced air cooled
3KM50000PA 3KP-----	3KM50000PA 3KP-----	C7555	Klystron Cathode ray tube, electrostatic focus and deflection
3LE4	3LE4		Receiving lock-in type pentode power amplifier
3LF4	3LF4	VT-180	Receiving lock-in type beam power amplifier (similar to 3D6/1299)

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Tube Type	Current Service Designation	Other Number	Class Description
3MP1	3MP1		Cathode ray tube, electrostatic focus and deflection
3N21	3N21		Transistor
3NP4	3NP4		Cathode ray tube, Dutch
3Q4	3Q4	VT-264	Receiving miniature pentode power amplifier
3Q5G	3Q5G		See 305GT - Replace with 3Q5GT
3Q5GT	3Q5GT	VT-221	Receiving beam power amplifier
3QP1	3QP1	2-5/8P1	Cathode ray tube, Dutch
3RP-----	3RP-----		Cathode ray tube, electrostatic focus and deflection
3S4	3S4	VT-174	Receiving miniature pentode power amplifier
3SP-----	3SP-----		Cathode ray tube, electrostatic focus and deflection
3U2P1	3U2P1		Two gun cathode ray tube
3U3P1	3U3P1		Three gun cathode ray tube
3U3P11	3U3P11		Three gun cathode ray tube
3UP1	3UP1	Z4026	Cathode ray tube, electrostatic focus and deflection
3V4	3V4		Miniature pentode power amplifier
3V4WA	3V4WA		Improved 3V4
3W2P1A	3W2P1A		Two gun cathode ray tube
3W2P7	3W2P7		Cathode ray tube
3W4	3W4		Miniature power amplifier pentode (Japanese)
3W100A3	3W100A3		Transmitting triode, water cooled
3W5000A1	8240		See 8240
3W5000A3	3W5000A3		Transmitting triode, water cooled
3W5000F3	3W5000F3		Transmitting triode, water cooled
3W10000A3	3W10000A3		Transmitting triode, water cooled, triode version of 4W200000A
3WP-----	3WP-----	B1026	Cathode ray tube electrostatic focus and deflection
3X100A11/2C39	2C39		See 2C39
3X150A3/3C37	3C37		See 3C37
3X2500A	3X2500A		Transmitting triode. Obsolete. Use 3X2500A3
3X2500A1	3X2500A1		Transmitting triode. Obsolete. Use 3X2500A3
3X2500A2	3X2500A2		Transmitting triode. Obsolete. Use 3X2500A3
3X2500A3	8161		See 8161
3X2500F3	8251/3X2500F3		See 8251/3X2500F3
3X3000A1	8238/3X3000A1		See 8238/3X3000A1
3X3000F1	8239		See 8239
3X3000F7	8162		See 8162
3X5000A	3X5000A		Transmitting VHF triode-forced air cooled

Tube Type	Current Service Designation	Other Number	Class Description
3X12500A3	3X12500A3		Transmitting medium mu triode, forced air cooled
3X20000A3 3XP1	3X20000A3 3XP1		Obsolete, superseded by 3W10000A3 Cathode ray tube, electrostatic focus and deflection
3YP1 3Z4	3YP1 3Z4		Cathode ray tube Receiving Japanese power amplifier pentode, miniature
3Z4WA AW4 B4 BL4 CE4	3Z4WA VS68 B4 BL4 CE4A/B, C, D		Improved 3Z4 See VS68 Ballast tube TR tube, improved X7047 Gas phototube. See 1P36. equivalent to 58A
CE4A/B CE4B24 CE4B25 CE4C CE4D CE4RBS CE4SC CE4V CE4WB ELC4H-1 ELC4H-2 ELC4H-3 ELC4H-4 ELC4H-5 G-4 GA4 GE-NS4 GV4S-410 GV4S-1400 GV4S-3000 HA-4B KC4 NB4 NU4RBS NU4WB PAX-4 PKX-4 PJ-4	CE4A/B 4B24 4B25 1P36 CE4D 4RBS CE4SC 4V 4WB 6984 6985 6986 8065 8066 G-4 532 2D29 GV4S-410 GV4S-1400 GV4S-3000 HA-4B 5625 NB4 4RBS 4WB PAX-4 PKX-4 PJ-4		Phototube, red-infra red sensitive See 4B24 See 4B25 See 1P36 Phototube See 4RBS Phototube, Selected CE4C See 4V See 4WB See 6984 See 6985 See 6986 See 8065 See 8066 Subminiature pentode See 532 See 2D29 Corona voltage regulator Corona voltage regulator Corona voltage regulator Travelling wave tube See 5625 Ballast tube (obsolete) See 4RBS See 4WB Magnetron Klystron, 2 cavity, fixed frequency Special purpose triode vacuum control tube Power measurement lamp See 4D32 Cold cathode discharge tube, low pulse rate version of 631P1 Subminiature electrometer pentode Subminiature electrometer pentode Vacuum phototube
PM4 RK4D32 SN4	PM4 4D32 SN4		
TD4 TD4A V4	TD4 TD4A V4		

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Tube Type	Current Service Designation	Other Number	Class Description
VG4	VG4		Neon bulb (medium screw base)
WE4A	4A		See 4A
WE4B	4B		See 4B
WE4J21	4J21		See 4J21
WE4J22	4J22		See 4J22
WE4J23	4J23		See 4J23
WE4J24	4J24		See 4J24
WE4J25	4J25		See 4J25
WE4J26	4J26		See 4J26
WE4J27	4J27		See 4J27
WE4J28	4J28		See 4J28
WE4J29	4J29		See 4J29
WE4J30	4J30		See 4J30
WE4J45/720AY	4J45		See 4J45
WE4J46/720BY	4J46		See 4J46
WE4J47/720CY	4J47		See 4J47
4	4		Ballast tube
4-60A	4PR60A		See 4PR60A
4-65A	8165/4-65A		See 8165/4-65A
4-125	4D21		See 4D21
4-250/5D22	5D22		See 5D22
4-250A	5D22		See 5D22
4-400A	8438/4-400A		See 8438/4-400A
4-750A	4-750A		Transmitting, tetrode (obsolete) by 4-1000A
4-1000A	8166/4-1000A		See 8166/4-1000A
4A	4A	WE4A	Ballast tube
4A1	4A1		Ballast tube
4A6G	4A6G		Receiving twin triode amplifier
4A10	4A10		Ballast tube
4A21	4A21		Ballast tube
4AP10	4AP10	ZP556, C7516B	Cathode ray tube, magnetic focus and deflection dark trace
4AU6	4AU6		Receiving pentode, similar to 6AU6
4B	4B	WE4B	Ballast tube
4B22	4B22	EL5B2.5, EL5B, 5B25	Duodiode gas rectifier (standard duty)
4B23	4B23	EL5BHO	Duodiode gas rectifier (heavy duty)
4B24	4B24	EL3C, 3C, CE4B24, CE224	Duodiode gas rectifier
4B25	4B25	CE4B25, CE221, 6CF	Duodiode gas rectifier - EL6C electrically same; has different base
4B25/EL6C	4B25		See 4B25
4B26	4B26	RCA2000, 189049, F60, WE289A, R6A, WL289416D, CE226, 289A, 2000, J213AAA, GE189049, WE289416D, 289416	Diode gas rectifier
4B27	4B27	GE16X897, CE201	Duodiode gas rectifier

Tube Type	Current Service Designation	Other Number	Class Description
4B28	4B28	GE189048, CE225, WL289414, 289414	Diode gas rectifier
4B30	15R		See 15R
4B31	4B31	QK98	Transmitting diode clipper-rectifier
4B32	4B32		Transmitting diode gas rectifier
4B33	953B		See 953B
4B35	4B35	12X825, 966626, CE212A, GE12X825	Diode gas rectifier
4B36	4B36	20X672, 859483, Tungar 5A, GE20X672	Diode gas rectifier, half wave
4BA6	4BA6		Receiving pentode, similar to 6BA6
4BC5	4BC5		Receiving pentode, similar to 6BC5
4BC8	4BC8		Receiving pentode, similar to 6BC8
4BE6	4BE6		Receiving heptode, similar to 6BE6
4BN4	4BN4		Miniature medium mu triode. Similar to 6BN4
4BN6	4BN6		Receiving gated beam discriminator similar to 6BN6
4BP15	4BP15		Cathode ray tube, for use as a scanner
4BQ7A	4BQ7A		Receiving medium mu twin triode similar to 6BQ7A
4BS8	4BS8		Receiving medium mu twin triode
4BU8	4BU8		Miniature twin pentode, receiving
4BX8	4BX8		Miniature twin UHF triode, similar to 6BX8
4BZ6	4BZ6		Receiving pentode see also 6BZ6
4BZ7	4BZ7		Receiving medium mu twin triode, similar to 6BZ7
4BZ8	4BZ8		Receiving triode
4C21	211		See 211
4C22	4C22/HF100		See 4C22/HF100
4C22/HF100	4C22/HF100	RK51, RF100, C101, TF100, 4C22	Transmitting triode amplifier and oscillator (Similar to 100TH, RK38, HK254)
4C23	4C23		Transmitting special purpose
4C24	HV12/T814		See HV12/T814
4C25	HK54		See HK54
4C26	4C26	54B	Transmitting triode
4C27	CV92		See CV92
4C28	4C28		4C27 without shield. Obsolete
4C30	15E		See 15E
4C32	4C32		Transmitting triode amplifier modulator for diathermy
4C33	4C33	A2212B	Transmitting UHF triode-forced air cooled
4C34	4C34		Transmitting triode (similar to HF300)
4C35	4C35	ZG529, H350, GL529	Thyratron, hydrogen
4C35A	4C35A		Modified 4C35. Obsolete. Use 4C35

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Tube Type	Current Service Designation	Other Number	Class Description
4C36	4C36		Transmitting triode
4CB6	4CB6		Miniature pentode, similar to 6CB6
4CE5	4CE5		Receiving pentode, sharp cut off, similar to 3CE5, 6CE5
4CP7	4CP7	BR400	Cathode ray tube, 4 inch diameter, magnetic focus and deflection
4CS6	4CS6		Miniature dual control heptode
4CV10000C	8351/4CV10000C		See 8351/4CV10000C
4CW1000A	4CW1000A		Transmitting tetrode, water cooled
4CW5000C	8350		See 8350
4CX7	4CX7		Miniature twin triode
4CX250B	7203/4CX250B		See 7203/4CX250B. Supersedes 4X250B
4CX250F	7204/4CX250F		See 7204/4CX250F. Supersedes 4X250F
4CX250K	8245/4CX250K		See 8245/4CX250K
4CX250M	8246/4CX250M		See 8246/4CX250M
4CX250R	7580W/4CX250R		See 7580W/4CX250R
4CX300A	8167/4CX300A		See 8167/4CX300A
4CX350A	8321/4CX350F		See 8321/4CX350F
4CX350F	8322/4CX350F		See 8322/4CX350F
4CX1000A	8168/4CX1000A		See 8168/4CX1000A
4CX1500A	8281/4CX1500A		See 8281/4CX1500A
4CX3000A	8169/4CX3000A		See 8169/4CX3000A
4CX5000A	8170/4CX5000A		See 8170/4CX5000A
4CX10000D	8171/4CX10000D		See 8171/4CX10000D
4CX35000C	8349/4CX35000C		See 8349/4CX35000C
4CY5	4CY5		Miniature receiving sharp cut off tetrode, similar to 2CY5, 3CY5, and 6CY5
4D21	4D21	X103, 4-125	Transmitting tetrode UHF oscillator amplifier
4D21/4-125A	4D21/4-125A		See 4D21
4D22	4D22		Transmitting VHF beam power amplifier
4D23	4D23		Transmitting tetrode. Similar to 4-125A
4D32	4D32	RK4D32	Transmitting VHF beam power amplifier
4DK6	4DK6		Receiving sharp cut off pentode. Similar to 3DK6, 6DK6
4DP-----	4DP-----	K1109	Cathode ray tube, square face, electrostatic focus and deflection
4DT6	4DT6		Receiving miniature pentode
4E	1B71		See 1B71
4E27	4E27	HK257B, 7B, GL8001, 8001	Identical to HK257 (8001) except 3/4 inch shorter in height. Replace by 4E27A
4E27/5-125B	4S27/5-125B		See 4E27A
4E27A	4E27A/5-125B		Transmitting beam pentode

Tube Type	Current Service Designation	Other Number	Class Description
4E27A/5-125B 4ES8	4E27A/5-125B 4ES8		See 4E27A Miniature receiving triode (Canadian)
4EW6 4FP----- 4GP1, P11 4GSW 4GTP 4H3 4HP-----	4EW6 4FP----- 4GP1, P11 4WB 5WB 4H3 4HP-----	K1206	Same as 6EW6 except heater voltage Cathode ray tube Cathode ray tube (British) See 4WB See 5WB Ballast tube
4HT11	4HT11	K1115	Cathode ray tube, electrostatic focus and deflection Ballast tube
4J21	4J21	WE4J21, 1402	Magnetron. See 5J26
4J22	4J22	WE4J22, 1402	Magnetron. See 5J26
4J23	4J23	WE4J23, 1402	Magnetron. See 5J26
4J24	4J24	WE4J24, 1402	Magnetron. See 5J26
4J25	4J25	WE4J25, 1402	Magnetron. See 5J26
4J26	4J26	WE4J26, 1401	Magnetron. See 5J26
4J27	4J27	WE4J27, 1401	Magnetron. See 5J26
4J28	4J28	WE4J28, 1401	Magnetron. See 5J26
4J29	4J29	WE4J29, 1401	Magnetron. See 5J26
4J30	4J30	WE4J30, 1401	Magnetron. See 5J26
4J31	4J31	HK7	Magnetron. See 5586
4J32	4J32	HK7	Magnetron. See 5586
4J32	4J32	HK7	Magnetron, fixed frequency, pulsed
4J33	4J33	HK7	Magnetron. See 5586
4J34	4J34	HK7	Magnetron. See 5586
4J35	4J35	HK7	Magnetron. See 5586
4J36	4J36	H15S	Magnetron
4J37	4J37	H15S	Magnetron
4J38	4J38	H15S	Magnetron
4J39	4J39	H15S	Magnetron
4J40	4J40	H15S	Magnetron
4J41	4J41	H15S	Magnetron
4J42	4J42	1440N, 700T	Tunable magnetron
4J43	4J43		Magnetron
4J44	4J44		Magnetron
4J45	4J45	WE4J45/720AY, 4J45/720AY, 1379M	Magnetron (supersedes 720AY)
4J45/720AY	4J45		See 4J45
4J46	4J46	WE4J46/720BY, 4J46/720BY, 1379M	Magnetron (supersedes 720BY)
4J46/720BY	4J46		See 4J46
4J47	4J47	WE4J47/720CY, 4J47/720CY, 1379M	Magnetron (supersedes 720CY)
4J47/720CY			See 4J47
4J50	4J50	1397M	Packaged magnetron
4J50A	4J50A		Magnetron, improved version of 4J50
4J50T	4J50T		Magnetron, tunable, pulsed

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Tube Type	Current Service Designation	Other Number	Class Description
4J51	4J51	1443M, 728T	Magnetron - supersedes 728 - tunable 728
4J52	4J52	1471	Packaged magnetron
4J52A	4J52A/L-3037		Magnetron, pulsed, air cooled
4J52T	4J52T/6543		See 6543
4J53	4J53		Magnetron
4J54	4J54		Packaged magnetron
4J55	4J55		Packaged magnetron
4J56	4J56		Packaged magnetron
4J57	4J57	QK915C	Packaged magnetron
4J58	4J58	QK915B	Packaged magnetron
4J59	4J59	QK915A	Packaged magnetron
4J60	4J60		Packaged magnetron
4J61	4J61		Packaged magnetron
4J62	4J62		Packaged magnetron. Replaces QK59 and QK60
4J63	4J63		Packaged magnetron. Replaces QK60 and QK62
4J64	4J64		Packaged magnetron
4J65	4J65		Packaged magnetron
4J70	4J70	3064	Magnetron superseded by HK-7T, and QK253
4J71	4J71		Magnetron superseded by HK-7T, and QK253
4J72	4J72		Magnetron superseded by HK-7T, and QK253
4J73	4J73		Magnetron superseded by HK-7T, and QK253
4J74	4J74		Magnetron superseded by HK-7T, and QK253
4J75	4J75		Magnetron superseded by HK-7T, and QK253
4J76	4J76		Magnetron superseded by HK-7T, and QK253
4J77	4J77		Magnetron superseded by HK-7T, and QK253
4J78	4J78	Special 1379M, 1379 special 414	4J50 except for frequency
4K34	4K34		Klystron, S band
4K50000LQ	4K50000LQ		Klystron, externally tuned, water and forced air cooled, 700 to 1000 Mc
4KP1	4KP1		Cathode ray tubes, electrostatic deflection and focus, square face
4L	4L		Type 1B5 square wave generator
4M	1B72		See 1B72
4MP-----	4MP-----		Cathode ray tube, square face, electrostatic focus and deflection
4NP-----	4NP-----		Cathode ray tube, rectangular, electrostatic focus and deflection
4PR60A	4PR60A	4-60A	Transmitting pulse tetrode

Tube Type	Current Service Designation	Other Number	Class Description
4PR60B	8252/4PR60B		See 8252/4PR60B
4PR65A	8187/4PR65A		See 8187/4PR65A
4PR125A	8247/4PR125A		See 8247/4PR125A
4PR400A	8188/4PR400A		See 8188/4PR400A
4PR1000A	8189/4PR1000A		See 8189/4PR1000A
4QP-----	4QP-----		Cathode ray tube, rectangular, electrostatic deflection and focus
4RBS	4RBS	NU4RBS, CE4RBS, G12	Gas phototube
4RP-----	4RP-----		Cathode ray tube, rectangular, electrostatic deflection and focus
4S	2S/4S		See 2S/4S
4SRBS	4SRBS		Gas phototube (same as 4RBS except for basing)
4V	4V	CE4V	Vacuum phototube
4VP1	4VP1	OE411PA	Cathode ray tube, square face, electrostatic deflec. & focus
4W300B	8249/4W300B		See 4W300B
4W1250A	4W1250A		Transmitting tetrode (water cooled)
4W20000A	8173/4W20000A	X486	See 8173/4W20000A
4WB	4WB	CE4WB, NU4WB, 53AWB, 4GSW	Phototube
4X100A	4X100A		Transmitting tetrode
4X150A	7034/4X150A		Transmitting tetrode, See 7034/4X150A
4X150D	7035/4X150D		See 7035/4X150D, 26.5 volt heater
4X150G	8172/4X150G		See 8172/4X150G, coaxial base
4X150R	8296/4X150R		See 8296/4X150R, Ruggedized 4X150A
4X150S	8297/4X150S		See 8297/4X150S, ruggedized 4X150D
4X250B	4X250B		Superseded by 7203/4CX250B
4X250F	4X250F		Superseded by 7204/4CX250F
4X500A	4X500A/X404		Transmitting UHF tetrode - forced Air cooled
4X5000A	4X5000A		Transmitting tetrode, forced air cooled. 5KW plate dissipation
ARD05	VR54(Br.)		See VE54(BR.)
AU5	VU111		See VU111
B5H4	B5H4		Ballast tube
C5A	C5A	Navy type B, ELC5A	Obsolete - Replace with C6A
C5B	C5B	5C30, ELC5B, CE315, CEL1552, 1552	Thyratron, gas
C5F14	C5F14		Thyratron, similar to 6278
CE5	CE5A/B, B, C, D		Gas phototube
CE5A/B	CE5A/B		Phototube
CE5BB	5BB		See 5BB
CE5C	CE5C		Phototube
CE5D	CE5D		Phototube
C5F14	C5F14		Thyratron

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Tube Type	Current Service Designation	Other Number	Class Description
CE5WB	5WB		See 5WB
CR5	CR5		Thyratron
E5A	3J31		See 3J31
EL5B	4B22		See 4B22
EL5B2.5	4B22		See 4B22
EL5BHD	4B23		See 4B23
ELC5A	C5A		See C5A
ELC5B	C5B		See C5B
EM5GC	EM5GC		Electrostatic storage tube
GA5	1B32/532A		See 1B32/532A
GA5A	532		See 532
GV5A-1400	GV5A-1400		Corona voltage regulator
GV5A-2000	GV5A-2000		Corona voltage regulator
GV5A-2500	GV5A-2500		Corona voltage regulator
GV5A-3000	GV5A-3000		Corona voltage regulator
GV5C-4000	GV5C-4000		Corona voltage regulator
KR5	KR5		Receiving power amplifier pentode
NE5	NE5		Unbased argon lamp T-2
NU5BB	5BB		See 5BB
NU5WB	5WB		See 5WB
P5	P5		Subminiature pentode power amplifier
PAX-5	PAX-5		Magnetron
PM5	PM5		Power measurement lamp
QBL5-4000	7704		See 7704
REL5	VT98 (Br.)		See VT98 (Br.)
TUNGAR 5A	4B36		See 4B36
V5	V5		Vacuum phototube
WE5B	5B		See 5B
5.0	C6A		See C6A
5-4	5-4		Ballast tube
5-125B	5-125B/4E27A		Power pentode, unilateral replacement for 4E27A
5A6	5A6	DT275, 5A6/RT533	Miniature receiving power amplifier tube
5A6/RT533	5A6/RT533		See 5A6
5AB	5AB		Gas phototube
5ABP-----	5ABP-----		Cathode ray tube, electrostatic deflection and focus
5ACP4	5ACP4		Cathode ray tube, magnetic deflection, electrostatic focus
5ADP-----	5ADP-----	B1060	Cathode ray tube, 5 inch
5AEP7	5AEP7		Cathode ray tube, magnetic deflection, electrostatic focus
5AFP-----	5AFP-----	K1147P-----	Cathode ray tube, electrostatic focus and deflection
5AGP-----	5AGP-----	K1154P-----	Cathode ray tube, electrostatic focus and deflection
5AHP-----	5AHP-----		Cathode ray tube, magnetic deflection, electrostatic focus

Tube Type	Current Service Designation	Other Number	Class Description
5AJP-----	5AJP-----		Cathode ray tube, electrostatic focus and deflection
5ALP-----	5ALP-----		Cathode ray tube, magnetic focus and deflection
5AM8	5AM8		Receiving tube for series string, see also 6AM8
5AMP-----	5AMP-----		Cathode ray tube, electrostatic focus deflection. Similar to 5YP-----
5AP-----	5AP-----	1805P-----	Cathode ray tube, electrostatic focus and deflection
5AP4/1805P4	5AP4		See 5AP-----
5AQP-----	5AQP-----		Cathode ray tube, electrostatic focus and deflection. Similar to 5ADP---
5AR4	5AR4		Double anode rectifier (Canadian)
5ARP-----	5ARP-----		Cathode ray tube, electrostatic focus and deflection
5AS4	5AS4		Receiving full wave rectifier (Canadian)
5AS4A	5AS4A		Receiving full wave rectifier (Canadian). Similar to 5S4 electrically
5AS8	5AS8		Receiving diode-pentode, similar to 6AS8
5AT4	5AT4		Receiving full wave high vacuum rectifier
5AT8	5AT8		Receiving triode-pentode converter, miniature
5ATP-----	5ATP-----	K1266	Cathode ray tube, electrostatic focus and deflection
5AU4	5AU4		Receiving twin diode
5AUP24	5AUP24		Cathode ray tube, color flying spot scanner
5AV8	5AV8		Miniature receiving medium mu triode, sharp cut off pentode
5AVP7	5AVP7	52HAP7	Cathode ray tube, similar to K1069P7
5AW4	5AW4		Receiving full wave hi vacuum rectifier
5AWP-----	5AWP-----	K1255P	Cathode ray tube, electrostatic focus and deflection
5AX4GT	5AX4GT		Receiving double diode
5AXP4	5AXP4		Cathode ray tube, for TV receiver check
5AZ4	5AZ4		Receiving full wave rectifier
5AZP4	5AZP4		Cathode ray tube, projection
5B	5B	WESB	Ballast tube. Replace by 3-40
5B8	5B8		Receiving miniature medium mu triode pentode
5821	5B21	CE235, 2183, R15A, G683, 217283, GE217283, 766776	Half wave gas rectifier

Tube Type	Current Service Designation	Other Number	Class Description
5B24	38674		See 38674. Replace with 4B25
5B25	4B22		See 4B22
5B33	953D		See 953D
5BB	5BB	CE5BB, NU5BB	Gas phototube
5BCP-----	5BCP-----	B1125	Cathode ray tube, magnetic deflection and focus
5BDP-----	5BDP-----	K1069	Cathode ray tube, electrostatic focus and deflection dual beam
5BE8	5BE8		Miniature medium mu triode sharp cut-off pentode
5BEP-----	5BEP-----	K1355	Cathode ray tube, electrostatic focus and deflection.
5BFP-----	5BFP-----	K1253P, 928006-2	Cathode ray tube, electrostatic focus and deflection, dual beam
5BGP-----	5BGP-----		Cathode ray tube, electrostatic focus and deflection
5BHP-----	5BHP-----	T54P2	Cathode ray tube, electrostatic focus and deflection
5BJP7	5BJP7		Cathode ray tube, electrostatic focus and deflection
5BLP-----	5BLP-----		Cathode ray tube, electrostatic focus and deflection
5BNP16	5BNP16		Cathode ray, flying spot scanner tube
5BP-----	5BP-----	ZP453, ZP480, 1802P-----, VT-111, 2525A5-C5	Cathode ray tube, electrostatic focus and deflection. Similar to 5HP----- except base
5BR8	5BR8		Receiving miniature triode pentode
5BRP-----	5BRP-----		Cathode ray tube, magnetic focus and deflection, miniature neck
5BS8	5BS8		Receiving duo-triode, miniature
5BT8	5BT8		Receiving duo diode, sharp cut-off pentode
5BTP-----	5BTP-----		Cathode ray tube, electrostatic focus and deflection
5BW8	5BW8		Double
5BWP-----	5BWP-----		Cathode ray tube, electrostatic focus and deflection
5BXP-----	5BXP-----		Cathode ray tube, electrostatic focus and deflection, rectangular
5BYP5	5BYP5		Cathode ray tube, ultra high resolution
5C21	C6J		See C6J
5C21/C6J	C6J	C6J	See C6J
5C22	5C22/HT415	H1000, GK50, QK50	Grid controlled gas rectifier
5C22A	5C22A		Superseded by 5C22
5C24	5C24		Transmitting triode
5C27	227A		See 227A
5C30	C5B		See C5B
5C37	327A		See 327A

Tube Type	Current Service Designation	Other Number	Class Description
5CAP-----	5CAP-----		Cathode ray tube for special high frequency scope
5CBP-----	5CBP-----		Cathode ray tube for special high frequency scope
5CEP11	5CEP11		Cathode ray tube electrostatic focus magnetic deflection
5CG4	5CG4		Receiving double anode rectifier (Japanese)
5CG8	5CG8		Receiving triode-pentode converter
5CGP29	5CGP29		Two color cathode ray tube
5CHP11	5CHP11		Character writing cathode ray tube
5CJP11	5CJP11		Very high resolution cathode ray tube
5CKP1, P16	5CKP1, P16		Cathode ray tube, magnetic focus and deflection, flying spot scanner
5CL8	5CL8		Receiving miniature triode-tetrode
5CLP7	5CLP7		Cathode ray tube, electrostatic deflection, high sensitivity (British)
5CM6	5CM6		Receiving miniature beam pentode
5CP-----	5CP-----	ZP517, ZP518, C7491, C7519, C7520	Cathode ray tube, electrostatic focus and deflection
5CQ8	5CQ8		Receiving medium mu triode, sharp cutoff pentode, similar to 6CQ8
5CR8	5CR8		Miniature triode-pentode
5CSP5, P11	5CSP5, P11		Cathode ray tube, 3 pairs electrostatic deflection plates
5CTP-----	5CTP-----		Cathode ray tube, electrostatic focus & deflection, dual beam
5CU4	5CU4		Receiving full-wave rectifier
5CUP18	5CUP18		Cathode ray tube, electrostatic focus, magnetic deflection, tv recording
5CVP-----	5CVP-----		Cathode ray tube, electrostatic focus, magnetic deflection, rectangular
5CWP-----	5CWP-----		Cathode ray tube, electrostatic focus and deflection, dual beam
5CXP2	5CXP2		Cathode ray tube, electrostatic focus and deflection
5CZ5	5CZ5		Receiving beam power tube
5D21	5D21		Transmitting pulse amplifier tetrode
5D22	5D22	4-250, X117, 4-250/5D22	Transmitting tetrode, similar to 5D24
5D23	5D23	5D23/RK65	Transmitting tetrode power amplifier See 5D23
5D23/RK65	5D23		
5D24	5D24		Transmitting tetrode. Obsolete. Use 5D22
5DAP-----	5DAP-----		Cathode ray tube, electrostatic focus and deflection
5DBP-----	5DBP-----		Cathode ray tube, electrostatic focus and deflection

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Tube Type	Current Service Designation	Other Number	Class Description
5DEP-----	5DEP-----		Cathode ray tube, electrostatic focus and deflection
5DH8	5DH8		Miniature receiving high mu triode-pentode
5DHP1, P32	5DHP1, P32		Cathode ray tube, magnetic focus and deflection (British)
5DKP-----	5DKP-----		Cathode ray tube, magnetic focus and deflection
5DLP4	5DLP4		Cathode ray tube, electrostatic focus, magnetic deflection (TV monitor)
5DNP-----	5DNP-----	51TCP19, Z4413P7	Cathode ray tube, electrostatic focus and deflection
5DPI	5DPI		Cathode ray tube. Obsolete
5DWP-----	5DWP-----	K1931	Cathode ray tube, electrostatic focus and deflection, high sensitivity
5DXP-----	5DXP-----		Cathode ray tube, electrostatic focus and deflection, high sensitivity
5DYP-----	5DYP-----		Cathode ray tube, magnetic deflection, electrostatic focus, low drive
5E1	1A1/5E1		See 1A1/5E1
5EA8	5EA8		Miniature triode-pentode
5EAP7	5EAP7		Cathode ray tube, electrostatic focus magnetic deflection, off-center neck
5EBP7	5EBP7		Cathode ray tube, electrostatic focus, mag. defl., off-center neck
5EDP-----	5EDP-----		Cathode ray tube, electrostatic focus, magnetic deflection
5EH8	5EH8		Miniature medium mu triode-pentode mixer
5EP-----	5EP-----		Cathode ray tube
5FP-----	5FP-----	GL475, ZP475, 1812P--- C7473D	Cathode ray tube, magnetic deflection and focus
5GP1	5GP1		Cathode ray tube. (In Navy equipment replace with 5BP1)
5H4	5H4		Ballast tube
5HP-----	5HP-----	C7508	Cathode ray tube, electrostatic focus and deflection. Same as 5BP----- except base
5HP26	5HP26		Cathode ray tube electrostatic focus and deflection. (British)
5HP28	5HP28		Cathode ray tube electrostatic focus and deflection
5J6	5J6		Receiving miniature medium mu twin triode
5J21	5J21	1382M	Magnetron
5J22	5J22	1382M	Magnetron
5J23	5J23	1382M	Magnetron

Tube Type	Current Service Designation	Other Number	Class Description
5J24	5J24	1382M	Magnetron
5J25	5J25	1382M	Magnetron
5J26	5J26	1475M, 147SM	Tunable 4J21-30 Magnetron
5J29	5J29		Magnetron
5J30	5J30		Magnetron. Obsolete superseded by 5J32
5J31	5J31		Magnetron. Obsolete superseded by 5J33
5J32	5J32	Z666	Magnetron. Supersedes 5J30
5J33	5J33		Magnetron. Supersedes 5J31
5JP-----	5JP-----	2529A5-D5	Cathode ray tube, electrostatic focus and deflection
5K40	5K40	420R, 5K40/420	Klystron
5K40/420	5K40		See 5K40
5LP-----	5LP-----	2511A5-D5, C7514, 54-11T	Cathode ray tube, electrostatic focus and deflection
5LRP1	5LRP1		Cathode ray tube, Potentiometer
5MP-----	5MP-----	2505A5, 2505C5, 2505D5	Cathode ray tube, electrostatic focus and deflection
5NP	5NP		Cathode ray tube (5BP1 with restricted gun length), electrostatic focus and deflection
5QP-----	5QP-----		Cathode ray tube, magnetic deflection and focus
5R5G	5R4G		Full wave hi-vacuum rectifier
5R4GTY	5R4GTY		5R4GY with T-12 envelope
5R4GY	5R4GY		Receiving full wave hi vacuum duodiode rectifier
5R4GYA	5R4GYA		See 5R4GTY
5R4WGA	5R4WGA		Receiving rugged full wave hi vacuum rectifier similar to 5R4GY
5R4WGB	5R4WGB		Reliable receiving rugged full wave hi vacuum rectifier, equivalent to 5R4GA and similar to 5R4GY
5R4WGY	5R4WGY		See also 5R4WGA
5R4WGYA	5R4WGYA		See also 5R4WGB
5RP-----	5RP-----		Cathode ray tube, electrostatic focus and deflection
5SP-----	5SP-----		Cathode ray tube, electrostatic focus and deflection, dual beam
5T4	5T4	VT-114	Receiving duodiode rectifier
5T8	5T8		Triple diode triode, miniature button, 9-pin
5TF4	5TF4		Ballast tube
5TP4	5TP4		Cathode ray tube, mirror backed projection
5U4G	5U4G	VT-244	Receiving duodiode rectifier (similar to 5Z3, 5T4 and British VU71). See also 5931. Not directly interchangeable

Tube Type	Current Service Designation	Other Number	Class Description
5U4GA 5U4GB	5931 5U4GB		See 5931 Hi vacuum full wave rectifier receiving tube
5U8	5U8		Receiving miniature triode-pentode converter
5UP-----	5UP-----		Cathode ray tube, electrostatic focus and deflection
5V3 5V4G	5V3 5V4G	VT-206A, 274	Full wave, hi vacuum rectifier Receiving duodiode rectifier (nearest equivalent is 5U4G)
5V4GA 5V4GY	5V4GA 5V4GY		Receiving duodiode rectifier Type 5V4G with nicanol base. Obsolete use 5V4G
5VP7 5W4 5W4G 5W4GT	5VP7 5W4 5W4G 5W4GT	VT-97	Cathode ray tube. (Canadian) Receiving duodiode rectifier Replace with 5W4GT Receiving duodiode rectifier (similar to 5Y3GT, 5V4G and 5Z4GT)
5WB	5WB	WL739, 4GTP, CE5WB, NUSWB, G4	Gas phototube
5WP-----	5WP-----		Cathode ray tube, metal backed. Magnetic deflection, electrostatic focus
5X2P----- 5X3	5X2P----- 5X3		Cathode ray tube, dual gun Receiving duodiode rectifier (similar to 80 and 83V)
5X3P----- 5X4G	5X3P----- 5X4G		Cathode ray tube, triple gun Receiving duodiode rectifier (type 5Z3 characteristics)
5X4GA	5X4GA		Receiving full wave rectifier, T-12, similar to 5V4GB
5X4GT 5X8 5XP-----	5X4GT 5X8 5XP-----		Never made. Use 5X4G Receiving triode-pentode converter Cathode ray tube, high voltage, high sensitivity. Electrostatic focus and deflection
5Y3G 5Y3GT	5Y3G 5Y3GT	5Y3GT/G	Replace with 5Y3GT Receiving duodiode rectifier (similar to 5W4GT/G and 5V4G, similar to 5Y3WGT)
5Y3GT/G 5Y3P----- 5Y3WGT 5Y3WGTA	5Y3GT 5Y3P----- 5Y3WGT 5Y3WGTA	VT-197A	See 5Y3GT Cathode ray tube. Triple gun Ruggedized version of 5Y3GT Receiving duodiode rectifier, equivalent to 5Y3GT
5Y3WGTB	5Y3WGTB	Z2099, 6087	Receiving duodiode rectifier, equivalent to 5Y3GT
5Y4G	5Y4G		Receiving duodiode rectifier (type 80 characteristics)
5Y4GT	5Y4GT		Receiving duodiode rectifier

Tube Type	Current Service Designation	Other Number	Class Description
5YP-----	5YP-----		Cathode ray tube, electrostatic deflection and focus
5Z2P----- 5Z2P11-S1 5Z3	5Z2P----- 5Z2P11-S1 5Z3	VT-145	Cathode ray tube, dual gun Special 5Z2P11 for dual X-axis input Receiving duodiode rectifier (5U4G characteristics)
5Z3P----- 5Z4 5Z4G 5Z4GT	5Z3P----- 5Z4 5Z4G 5Z4GT	VT-74	Cathode ray tube-triple gun Receiving duodiode rectifier Superseded by 5Z4GT Receiving duodiode rectifier (similar to 5V4G, 5Y3GT/G and 5W4GT/G) obsolete. Nearest equivalent is 5Z4
5Z4MG 5Z4P----- 5ZP-----	5Z4MG 5Z4P----- 5ZP-----		Obsolete, equivalent to 5Z4 Cathode ray tube - quadruple gun Cathode ray tube, electrostatic focus and deflection
B6 BL6	5621 BL6		See 5621 TR tube, X band for improved version see BL93 and BL93A
BS6 C6A	BS6 C6A	100C, 1B75, VG10 ELC6A, 1661, Navy Type C, WX3170, 5.0	Beta Gamma Counter tube Thyratron supersedes ELC5A
C6C C6J	C6C C6J	ELC6C 5C21, CE306, 5C21/C6J, ELC6J	Thyratron Thyratron, gas triode
C6J60 C6J/A C6L C6M CA6 CE6 CE6A/B CE6C CE6D CV6 D6-TF10 EL6B	C6J60 5685/C6J/A 5528/C6L C6M CA6 CE6A/B, C, D CE6A/B CE6C CE6D CV6 D6-TF10 EL6B		Xenon filled thyratron See 5685/C6J/A See 5528/C6L Thyratron, similar to C6J X-ray tube (crystal analyzing) Phototube Phototube Phototube Phototube UHF triode (British) Ballast tube Half wave gas rectifier See 6C
EL6B/L EL6C	6983 6C		See 6983 4B25 electrically same; has different base
ELC6A ELC6 ELC6J ELC6J/K ELC6J/KF FA6 FR6 G6 GL6C21	C6A C6C C6J 6864 6871 FA6 FR6 G6 6C21		See C6A See C6C See C6J See 6864 See 6871 Vacuum switch (SPDT) Neon voltage regulator Gas phototube See 6C21

Tube Type	Current Service Designation	Other Number	Class Description
GV6A-700	GV6A-700		Corona voltage regulator
GV6A-2000	GV6A-2000		Corona voltage regulator
GV6A-2100	GV6A-2100		Corona voltage regulator
HW-6	HW6		Half wave mercury rectifier
HY6A8GTX	6A8GTX		See 6A8GTX
HY6J5GTX	6J5GTX		See 6J5GTX
HY6J7GTX	6J7GTX		See 6J7GTX
HY6K7GTX	6K7GTX		See 6K7GTX
HY6K8GTX	6K8GTX		See 6K8GTX
HY6L6GX	6L6GX		See 6L6GX
HY6SA7GTX	6SA7GTX		See 6SA7GTX
HY6SJ7GTX	6SJ7GTX		See 6SJ7GTX
HY6SK7GTX	6SK7GTX		See 6SK7GTX
HY6V6GTX	6V6GTX		See 6V6GTX
IC-6	7177		See 7177
NB6	NB6		Resistance tube Obsolete
PM6	PM6		Power measurement lamp
QP6	RK61		See RK61
R6A	4B26		See 4B26
RK6D21	6D21		See 6D21
RK6D22	6D22		See 6D22
SS6C5G	SS6C5G		Special selected 6C5G. Replace with 6C5GT
SS6J5GT	SS6J5GT		Specially selected 6J5GT
SS6J5GT/G	6J5GT		See 6J5GT
SS6K7G	6K7G		See 6K7G
SS6W7G	SS6N7G		Replace with 6N7GT
SS6V6G	SS6V6G		Replace with 6V6GT
TGC-6	TGC-6		Geiger-Mueller counter tube
V6	V6		Vacuum phototube
WE6A	6A		See 6A
WE6B	6B		See 6B
ZP6B	2C43		See 2C43
6	6A		See 6A
6-4B	6-4B		Ballast tube
6-8B	6-8B		Ballast tube
6-10	6-10		Ballast tube
6-11	6-11		Ballast tube
6-11A	6-11A		Ballast tube
6A	6A	WE6A, 6	Current regulator - Ballast tube
6A3	6A3		Receiving triode power amplifier (type 6B4G characteristics)
6A3 Special	6A3 Special	FNH	Special type 6A3
6A4	6A4/LA		Receiving pentode power amplifier- Obsolete similar to 52 and 41
6A4LA	6A4/LA	LA, 6A4	See 6A4
6A5	6A5		Receiving triode power amplifier. Obsolete
6A5G	6A5G		Receiving triode power amplifier - Obsolete nearest equivalent is 6B4G

Tube Type	Current Service Designation	Other Number	Class Description
6A6	6A6		Receiving twin triode amplifier (6N4 characteristics)
6A6X	6A6X		Type 6A6 with ceramic base
6A7	6A7		Receiving pentagrid converter
6A7S	6A7S		Receiving pentagrid converter (shielded type 6A7)
6A8	6A8		Receiving pentagrid converter
6A8G	6A8G	VT-151	Receiving pentagrid converter (obsolete, use 6A8GT)
6A8GT	6A8GT	VT-151B	Receiving pentagrid converter. Similar to 6D8G and 6A7
6A8GTX	6A8GTX	HY6A8GTX	Receiving pentagrid converter-ceramic
6A8MG	6A8MG		Obsolete- equivalent to 6A8, 6A8G, and 6A8GT
6AB4	6AB4		Miniature high mu RF triode
6AB5	6AB5/6N5		See 6AB5/6N5
6AB5/6N5	6AB5/6N5	6AB5, 6N5, 6N5G	Electron ray tuning indicator - obsolete (similar to 6E5 and 6U5/6G5)
6AB6G	6AB6G		Receiving power amplifier (obsolete). Use 6N6G
6AB7	6AB7	1853, 6AB7/1853	Receiving pentode amplifier
6AB7/1853	6AB7	VT-176	See 6AB7
6AB7Y	6AB7X		6AB7 with Micanol base
6AB8	6AB8		Miniature triode pentode
6AC5	6AC5		Never made. Use 6AC5GT
6AC5G	6AC5G		Replace with 6AC5GT
6AC5GT	6AC5GT		Receiving triode power amplifier
6AC6G	6AC6G		Receiving power amplifier. Obsolete
6ACGT	6AC6GT		Receiving power amplifier
6AC7	6AC7	1852, 6AC7/1852	Receiving pentode amplifier, sharp cut off
6AC7/1852	6AC7	VT-112	See 6AC7
6AC7A	6AC7W		Obsolete, superseded by 6AC7W
6AC7W	6AC7W	A4073F	Ruggedized version of 6AC7 (similar to 1649). See Z-2095
6AC7WA	6AC7WA	6134	Receiving RF pentode, sharp cutoff
6AC7Y	6AC7Y		6AC7 with Micanol base
6AD4	6AD4		Subminiature high mu triode
6AD5G	6AD5G		Receiving triode
6AD6G	6AD6G		Electron ray tuning indicator (obsolete, use 6AF6G)
6AD7G	6AD7G		Receiving triode pentode amplifier
6AD8	6AD8		Miniature duo-diode pentode
6AE5	6AE5		See also 6AE5GT
6AE5G	6AE5G		Use 6AE5GT
6AE5GT	6AE5GT	6AE5GT/G	Receiving triode amplifier (obsolete)
6AE5GT/G	5AE5GT		See 6AE5GT

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Tube Type	Current Service Designation	Other Number	Class Description
6AE6G	6AE6G		Receiving single grid twin plate triode (obsolete)
6AE7GT	6AE7GT		Receiving twin grid triode amplifier (obsolete)
6AE8	6AE8		Miniature triode hexode
6AF3	6AF3		Receiving diode
6AF4	6AF4		Miniature triode
6AF4A	6AF4A		Miniature triode, similar to 3AF4A except heater
6AF5G	6AF5G		Receiving triode voltage amplifier-obsolete. Use 6P5GT
6AF6G	6AF6G		Twin electron ray tuning indicator (see 6AD6G)
6AF7G	6AF7G		Twin electron ray tuning indicator (French)
6AF11	6AF11		Receiving dual triode, pentode, Compactron
6AG5	6AG5		Miniature pentode amplifier (similar to 6AK5), for high vacuum version see 6BC5
6AG5WA	6186/6AG5WA		See 6186/6AG5WA
6AG6G	6AG6G		Receiving pentode power amplifier
6AG7	6AG7	VT-247	Receiving pentode power amplifier, see 6CL6, 12BY7
6AG7W	6AG7W		Ruggedized version of 6AG7. Never made
6AG7Y	6AG7Y		6AG7 with micanol base
6AG11	6AG11		Receiving dual diode, twin triode
6AH4GT	6AH4GT		TV triode amplifier
6AH5G	6AH5G		Receiving power amplifier
6AH6	6AH6		Miniature button pentode amplifier
6AH6WA	6AH6WA		Reliable version of 6AH6
6AH7GT	6AH7GT		Receiving twin triode oscillator and mixer. Obsolete
6AJ4	6AJ4		Miniature UHF triode
6AJ5	6AJ5	7755	28V plate version of 6AK5 pentode
6AJ6	6AJ6		Receiving tetrode amplifier (obsolete)
6AJ7	6AJ7/6AC7		See 6AJ7/6AC7
6AJ7/6AC7	6AJ7/6AC7	6AJ7	Type 6AC7 with grounding ring (Canadian)
6AJ8	6AJ8		Receiving triode heptode
6AK4	6AK4		Subminiature medium mu, UHF triode. Use 5718
6AK5	6AK5	731A, 1381HQ, 403A, 6AK5/403A	Miniature type UHF pentode amplifier. Similar to 6AG5
6AK5/403A	6AK5		See 6AK5
6AK5W	5654/6AK5W	Z1494	See 5654/6AK5W and 6096
6AK5WA	6AK5WA		Never made
6AK6	6AK6		Miniature type pentode amplifier
6AK6WA	6AK6WA		Use 6AK6

Tube Type	Current Service Designation	Other Number	Class Description
6AK76AG7	6AK7/6AG7		Type 6AG7 with grounding ring. (Canadian)
6AK8	6AK8		Triple diode-triode, 9 pin (Dutch)
6AL5	6AL5		Miniature twin diode
6AL5W	5726/6AL5W		See 5726/6AL5W, 6097
6AL6	6AL6		Receiving power amplifier
6AL6G	6AL6G		Receiving tetrode power amplifier
6AL7GT	6AL7GT		Electron ray indicator tube
6AL11	6AL11		Receiving dissimilar double pentode
6AM4	6AM4		Miniature high mu triode
6AM5	6AM5		Power amplifier pentode (British)
6AM6	6AM6		Miniature power pentode (British)
6AM8	6AM8		Receiving diode pentode
6AM8A	6AM8A		Quick warm up version of 6AM8
6AN4	6AN4	SR1553D	Miniature high mu triode, see also 8334/1218A for Military version
6AN5	6AN5	CK612	Miniature pentode beam power amplifier
6AN5WA	6AN5WA		Reliable receiving beam power amplifier
6AN6	6AN6		Receiving miniature duo double diode rectifier (4 anodes)
6AN7	6AN7		Miniature triode-hexode frequency converter
6AN8	6AN8		Receiving miniature triode-sharp cut off pentode
6AN8A	6AN8A		Quick warm up version of 6AN8
6AQ4	6AQ4	A4450	Miniature triode (British)
6AQ5	6AQ5		Miniature beam power amplifier. Similar to 6V6GT
6AQ5A	6AQ5A		Controlled heater warm-up version of 6AQ5
6AQ5W	6005/6AQ5W		See 6005/6AQ5W and 6095
6AQ6	6AQ6	A4375A, D28	Miniature duo-diode triode
6AQ7GT	6AQ7GT		Receiving duplex diode, high mu triode, similar to 7K7
6AR5	6AR5		Miniature pentode power amplifier, equivalent to glass octal version 6K6-GT
6AR6	6AR6	7756	Transmitting and receiving tetrode power amplifier. See also 6098/6AR6WA
6AR6WA	6098/6AR6WA		See 6098/6AR6WA
6AR7GT	6AR7GT		Miniature double diode pentode
6AR8	6AR8		Receiving sheet beam tube for TV sync. detector
6AS5	6AS5		Miniature beam power pentode, mini- ature version of 35L6GT and 35B5
6AS6	6AS6	7752, 409A, 6AS6/409A	Miniature pentode amplifier
6AS6/409A	6AS6		See 6AS6

Tube Type	Current Service Designation	Other Number	Class Description
6AS6W 6AS7G	5725/6AS6W 6AS7G	A4475	See 5725/6AS6W Receiving twin triode for electronic voltage regulator application. See reliable version 6080WA
6AS7GA 6AS7GT 6AS8 6AS11 6AT6	6AS7GA 6AS7GT 6AS8 6AS11 6AT6		Receiving low mu twin triode Receiving low mu twin triode Receiving diode-sharp cutoff pentode Receiving dual triode, pentode Miniature version of 6Q7G (duodiode-triode)
6AT8 6AT8A 6AU4GT	6AT8 6AT8A 6AU4GT		Receiving triode-pentode converter Quick warm up version 6AT8 Receiving half wave, hi vacuum rectifier
6AU4GTA	6AU4GTA		Receiving half wave, hi vacuum rectifier
6AU5GT 6AU6	6AU5GT 6AU6		Beam power amplifier Miniature version of 6SH7 Improved Z2097
6AU6A	6AU6A		Controlled heater warm-up time version of 6AU6
6AU6WA 6AU6WB 6AU8	6AU6WA 6AU6WB 6AU8	6136	Reliable version of 6AU6. See 6136 Reliable sharp cut off, RF, pentode. Receiving miniature pentode-medium mu triode.
6AU8A	6AU8A		Controlled heater warm-up time version of 6AU8
6AV4 6AV5GA 6AV5GT 6AV6	6AV4 6AV5GA 6AV5GT 6AV6		Miniature full wave rectifier Receiving beam pentode Receiving beam power amplifier Miniature double diode high mu triode
6AV11 6AW7GT 6AW8 6AW8A	6AV11 6AW7GT 6AW8 6AW8A	6136	Receiving triple triode, Compactron Receiving double diode triode High mu triode-sharp cut off pentode Controlled heater warm-up time version of 6AW8
6AX3 6AX4GT	6AX3 6AX4GT		Receiving damping diode Half wave high vacuum rectifier for TV damper service
6AX5GT 6AX6G 6AX7 6AX8 6AY3	6AX5GT 6AX6G 6AX7 6AX8 6AY3		Full wave high vacuum rectifier Full wave rectifier High mu twin triode Receiving triode-pentode Receiving half-wave rectifier, damping
6AZ5 6AZ6 6AZ8 6B	6AZ5 6AZ6 6AZ8 6B	SD1024 NU1106 WE6B	Subminiature double diode Subminiature twin diode Miniature medium mu triode-pentode Ballast tube

Tube Type	Current Service Designation	Other Number	Class Description
6B3	6B3		Receiving half wave rectifier (Canadian).
6B4G	6B4G		Receiving triode power amplifier. Similar to 6A5G, 6A3
6B5	6B5		Receiving direct coupled double triode amplifier
6B6G	6B6G		Receiving duodiode triode. Similar to 6T7G; Nearest equivalent 6Q7GT; Type 75 characteristics
6B7	6B7	10E/340, VT162 (Br.), VT-68	Receiving duodiode pentode
6B7S	6B7S		6B7 with spray shield
6B8	6B8	VT-93	Receiving duodiode pentode. Similar to 6B7
6B8G	6B8G	VT-93A	Receiving duodiode pentode
6B8GT	6B8GT		Receiving duodiode pentode
6B10	6B10		Receiving dual diode, twin triode, Compactron
6B21	6B21		Transmitting diode vacuum rectifier (Lewis)
6BA3	6BA3		Receiving half-wave rectifier, damper
6BA4	6BA4		Planar triode, for use as amplifier in UHF TV region.
6BA5	6BA5		Subminiature pentode
6BA6	6BA6		Miniature version of 6SG7. See also 5749, A4461
6BA6W	5749/6BA6W		See 5749/6BA6W
6BA7	6BA7		Miniature pentode converter, miniature 6SB7Y
6BA8	6BA8		Miniature medium mu triode, sharp cut off pentode
6BA8-A	6BA8-A		Receiving miniature medium mu triode, sharp cut off pentode, similar to 8BA8A.
6BA11	6BA11		Receiving triode, twin pentode, Compactron
6BC4	6BC4		Miniature UHF medium mu triode
6BC5	6BC5		Miniature pentode, hi vacuum version of 6AG5.
6BC7	6BC7		Miniature triple diode
6BC8	6BC8		Miniature button, medium mu, semi remote twin triode.
6BD4	6BD4		Receiving sharp cutoff beam triode
6BD4A	6BD4A		Receiving sharp cutoff beam triode
6BD5GT	6BD5GT		Receiving beam pentode
6BD6	6BD6		Miniature RF pentode (equivalent to 6SK7GT)
6BD7	6BD7		Miniature double diode triode (Dutch)
6BD11	6BD11		Rec. dual triode, pentode, Compactron

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Tube Type	Current Service Designation	Other Number	Class Description
6BE6	6BE6		Miniature version of 6SA7. See also
6BE6W	5750/6BE6W		5750. See 5750/6BE6W
6BE7	6BE7		Miniature heptode converter (Dutch)
6BE8	6BE8		Miniature medium mu triode-sharp cut off pentode (Dutch)
6BE8A	6BE8A		Controlled warm up version of 6BE8
6BF5	6BF5		Miniature pentode power amplifier
6BF6	6BF6	A4442	Miniature duodiode equivalent electrically only, to 6SR7)
6BF7	6BF7		Subminiature double triode. See also 6111.
6BF7A	6BF7A		Subminiature double triode. See also 6111
6BF7W	6BF7W		Rugged subminiature twin triode. Use 6111
6BF8	6BF8		Miniature sextuple diode
6BF11	6BF11		Rec. double pentode, Compactron
6BG6G	6BG6G		Receiving beam power amplifier
6BG6GA	6BG6GA		6BG6G with T-12 envelope-Receiving beam power amplifier
6BG6GTB	6BG6GTB		Beam power amplifier
6BG7	6BG7		Subminiature double triode
6BH3	6BH3		Rec. half-wave rectifier, damper
6BH5	6BH5		Miniature pentode, variable mu.
6BH6	6BH6	A4524A	Miniature sharp cut off RF pentode
6BH8	6BH8		Miniature triode-pentode
6BJ3	6BJ3		Rec. damping diode, Compactron
6BJ5	6BJ5		Miniature pentode (Australian)
6BJ6	6BJ6		Miniature remote cut off pentode
6BJ6A	JB6A		Miniature remote cut off pentode
6BJ7	6BJ7		Receiving triple diode, miniature
6BJ8	6BJ8		Miniature, medium mu triode, duo-diode
6BK4	6BK4		Triode voltage regulator
6BK5	6BK5		Miniature beam power pentode
6BK6	6BK6		Double diode triode, miniature
6BK7	6BK7		Miniature twin triode
6BK7A	6BK7A		Miniature twin triode, equivalent to and interchangeable with 6BK7
6BK7B	6BK7B		Controlled heater warm up time version of 6BK7.
6BK8	6BK8		Miniature Af pentode
6BL4	6BL4		Half wave vacuum rectifier
6BL5GT	6BL5GT		Space charge tetrode, similar to a beam tube
6BL6	6BL6	SD835H	Klystron, separate cavity
6BL7GT	6BL7GT		Receiving twin triode, low-mu
6BL7GTA	6BL7GTA		Improved 6BL7GT
6BL8	6BL8		Receiving triode pentode-(Canadian)

Tube Type	Current Service Designation	Other Number	Class Description
6BM5	6BM5		Miniature wide band power amplifier pentode
6BM6	6BM6	SD835K	Klystron, separate cavity type
6BM6A	6BM6A		Pulse tested 6BM6
6BM8	6BM8		Receiving triode-pentode- (Canadian)
6BN4	6BN4		Medium mu triode
6BN4A	6BN4A		Miniature medium mu triode
6BN5	6BN5		Output pentode
6BN6	6BN6		Miniature beam pentode
6BN7	6BN7		Miniature twin triode
6BN8	6BN8		Receiving miniature, hi mu triode, twin diode
6BQ5	6BQ5	EL84	Receiving power pentode
6BQ6G	6BQ6G		Receiving beam power pentode
6BQ6GA	6BQ6GA	6BQ6GA/6CU6	Receiving beam power pentode
6BQ6GA/6CU6	6BQ6GA/6CU6	6BQ6GA	Receiving beam power pentode
BQ6GT	BQ6GT		Receiving beam power pentode
6BQ6GTA	6BQ6GTA		Receiving beam power pentode
6BQ6GTB/6CU6	6BQ6GTB/6CU6		Receiving beam power pentode
6BQ7	6BQ7		Miniature twin triode, use 6BQ7A
6BQ7A	6BQ7A		Receiving high frequency twin triode
6BR5	6BR5		Electron ray tuning indicator, (Canadian)
6BR7	6BR7		Miniature pentode
6BR8	6BR8		Receiving triode-pentode
6BS3	6BS3		Half-wave high-voltage vacuum rect.
6BR8A	6BR8A		Same as 6BR8 except controlled heater warming time
6BS5	6BS5		Rectifier (French)
6BS7	6BS7		Low noise amplifier pentode (British)
6BS8	6BS8		Miniature medium mu twin triode
6BT6	6BT6		Miniature double-diode triode
6BT8	6BT8		Miniature reliatron
6BU4	6BU4		Receiving sharp cut off beam triode
6BU5	6BU5		Receiving beam pentode
6BU6	6BU6		Miniature double diode triode
6BU8	6BU8		Receiving miniature twin pentode
6BV7	6BV7		Miniature double diode power output pentode (Australian)
6BW4	6BW4		Miniature button cathode type full wave rectifier
6BW6	6BW6		Miniature beam power tetrode amplifier (British)
6BW7	6BW7		Miniature receiving RF pentode (British)
6BW8	6BW8		Receiving duplex-diode pentode, miniature
6BX4	6BX4		Receiving miniature HV full wave rectifier (French)

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Tube Type	Current Service Designation	Other Number	Class Description
6BX6	6BX6		Miniature RF pentode (Dutch)
6BX7GT	6BX7GT		Receiving twin triode
6BX8	6BX8		Miniature twin VHF triode
6BY4	6BY4		Ceramic high mu triode, micro miniature
6BY5G	6BY5G		Receiving full wave rectifier
6BY5GA	6BY5GA		6BY5G in T-12 envelope
6BY6	6BY6		Miniature pentagrid amplifier
6BY7	6BY7	EF85	Miniature RF pentode wide band amplifier (Dutch)
6BY8	6BY8		Miniature diode sharp cutoff pentode, controlled heater warmup time characteristic
6BZ6	6BZ6		Miniature semi-remote cutoff pentode
6BZ7	6BZ7		Miniature medium Mu VHF, twin triode, similar to 6BQ7
6BZ8	6BZ8		Miniature button, medium Mu twin triode
6C	6C	EL6C	Rectifier, gas-filled full wave
6C4	6C4		Miniature HF triode. See 6C4WA
6C4W	6C4W		Ruggedized 6C4. See 6C4WA
6C4WA	6C4WA	6100	Reliable 6C4
6C5	6C5	VT-65	Receiving triode amplifier. Nearest equivalent is 6J5
6C5G	6C5G	VT-65A	Replace with 6C5GT
6C5GT	6C5GT	6C5GT/G	Receiving medium Mu triode detector amplifier
6C5GT/G	6C5GT		See 6C5GT
6C5MG	6C5MG		Obsolete. Equivalent to 6C5GT
6C6	6C6	10E/337, VT-161 (Br)	Receiving sharp cutoff RF pentode. Equivalent to 7700, electrically similar to 1620 and 6J7
6C8G	6C8G	VT-163	Receiving twin triode, Medium Mu
6C9	6C9		Miniature duo-tetrode
6C10	6C10		Triple triode, Compactron
6C21	6C21	1000 spec., GL6C21, ZP527	Transmitting triode pulse amplifier
6C22	6C22	L600N	Transmitting UHF triode oscillator, water cooled
6C23	6C23	X-126H	Transmitting UHF triode oscillator, forced air cooled
6C24	6C24	A2255	Type 8014A with center tap filament. Similar to 5786
6C31	6C31		Triode-heptode
6CA4	6CA4	EZ81	High vacuum double anode rectifier (Canadian)
6CA5	6CA5		AF beam power pentode
6CA7	6CA7	EL34	Receiving power pentode (Dutch)
6CB5	6CB5		High perveance beam power pentode
6CB5A	6CB5A		6CB5 in T-12 envelope

Tube Type	Current Service Designation	Other Number	Class Description
6CB6 6CB6A	6CB6 6CB6A		Miniature pentode voltage amplifier 6CB6 with controlled heater warm up time characteristic
6CD6G 6CD6GA	6CD6G 6CD6GA		Beam power amplifier 6CD6G with button stem in a T-12 bulb, permits operation at higher ratings
6CD7 6CF 6CF6 6CG6 6CG7	6CD7 4B25 6CF6 6CG6 6CG7	EM84 38674A, EL6CF, 6CF	Tuning indicator (Canadian) See 4B25 Miniature sharp cutoff RF pentode Miniature pentode, remote cut off Miniature button medium mu twin triode.
6CG8	6CG8		Receiving miniature triode-pentode converter
6CG8A	6CG8A		6CG8 with controlled heater warm up time
6CH6 6CH7	6CH6 6CH7		Miniature button pentode (British) Miniature medium mu twin triode, similar electrically to 6BZ7.
6CH8	6CH8		Receiving miniature medium mu triode-sharp cut off pentode
6CJ6 6CK4 6CK6 6CL5 6CL6 6CL8 6CL8A	6CJ6 6CK4 6CK6 6CL5 6CL6 6CL8 6CL8A		Miniature pentode (Dutch) Low Mu triode Miniature pentode (Dutch) Receiving beam power amplifier Miniature version of 6AG7 Receiving miniature triode-tetrode Controlled heater warm up time version of 6CL8
6CM5 6CM6 6CM7	6CM5 6CM6 6CM7		Receiving output pentode. (Canadian) Receiving beam pentode Receiving medium mu duo triode with dissimilar units
6CM8 6CN6 6CN7 6CQ4 6CQ6 6CQ8	6CM8 6CN6 6CN7 6CQ4 6CQ6 6CQ8	EL-38 EF92	Miniature receiving triode-pentode Receiving pentode (British) Receiving hi mu duplex diode-triode Receiving damping diode Variable mu H.F. pentode, miniature Miniature medium mu triode, sharp cut off tetrode
6CR4 6CR5	6CR4 6CR5	A2521	Grounder grid triode Miniature beam power tube (Canadian)
6CR6	6CR6		Miniature diode-remote cut off pentode
6CR8	6CR8		Miniature general purpose triode, sharp cut off pentode
6CS5	6CS5		Miniature beam pentode. Similar to 6W6GT

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Tube Type	Current Service Designation	Other Number	Class Description
6CS6	6CS6		Miniature button heptode, dual control
6CS7	6CS7		Miniature button double triode with dissimilar sections
6CS8	6CS8		Miniature triode-pentode
6CT7	6CT7	EAF42	Single diode, remote cut off R.F. pentode (Dutch)
6CU5	6CU5		Receiving miniature button beam power pentode
6CU6	6CU6		Receiving beam power pentode, similar to 6BQ6GA and 6BQ6GTB
6CU7	6CU7	ECH42	Triode-Hexode converter
6CU8	6CU8		Receiving miniature medium mu triode, sharp cut off pentode
6CV7	6CV7	EBC41	Double diode - high mu triode
6CW4	6CW4		Receiving high-mu triode, Nuvistor
6CW5	6CW5	EL86	A.F. output pentode; receiving (Canadian)
6CW7	6CW7	ECC84	Miniature
6CX7	6CX7		Receiving medium mu twin triode
6CX8		6CX8	Receiving miniature triode - sharp cut off pentode
6CY5	6CY5		Miniature sharp cut off tetrode, see also 8113 for Military version
6CY7	6CY7		Miniature dissimilar double triode
6CZ5	6CZ5		Receiving beam power amplifier
6D4	6D4		Thyratron, gas triode
6D5	6D5		Receiving power amplifier triode
6D5G	6D5G		Receiving power amplifier triode (discontinued)
6D6	6D6	10E/338, VT160(Br.), VT-69	Receiving pentode amplifier (nearest equivalent is 6E7)
6D7	6D7		Sharp cutoff R.F. pentode
6D8	6D8	VR57(Br.)	Receiving pentagrid converter (obsolete)
6D8G	6D8G		Receiving pentagrid converter (obsolete). Similar to 6A8GT
6D10	6D10		Triple triode, Compactron
6D21	6D21	RK6D21, RKR71	Transmitting tetrode power amplifier
6D22	6D22	RK6D22	Transmitting beam power amplifier. Similar to 4X500A
6DA4	6DA4		Half wave indirectly heated rectifier
6DA5	6DA5	EM81	Tuning indicator, miniature
6DA6	6DA6	EF89	Miniature RF pentode
6DA7	6DA7		Miniature duo triode, with dissimilar sections
6DB5	6DB5		Miniature beam power pentode
6DB6	6DB6		Miniature sharp cut off pentode
6DC6	6DC6		Miniature semi remote cut off pentode

Tube Type	Current Service Designation	Other Number	Class Description
6DC8	6DC8	EBF89	Receiving - double diode remote cut off pentode (Canadian)
6DE4	6DE4		Half wave rectifier for TV damper service
6DE6	6DE6		Receiving sharp cut off pentode
6DE7	6DE7		Receiving duo-triode miniature with dissimilar sections
6DG6GT	6DG6GT		Receiving beam power pentode
6DG7	6DG7		Receiving miniature pentode, remote cut off (French)
6DJ8	6DJ8	ECC88	Miniature double triode
6DK6	6DK6		Sharp cut off pentode
6DL5	6DL5	EL95	Power out put pentode
6DL7	6DL7		Electron ray tuning indicator (Japanese)
6DM4	6DM4		Half-wave vacuum rectifier for damping diode service
6DN6	6DN6		Receiving beam power amplifier
6DN7	6DN7		Receiving dissimilar double triode
6DP7	6DP7	K1262P7, Z4495	Cathode ray tube, three beam, round, electrostatic deflection and focus
6DQ4	6DQ4		Half-wave vacuum diode
6DQ5	6DQ5		Receiving beam power tube for TV color receivers
6DQ6A	6DQ6A		Receiving beam power tube
6DR6	6DR6		Receiving pentode (French)
6DR7	6DR7		Miniature double triode with dissimilar sections
6DR8	6DR8	EBF83	Double diode remote cut off pentode (Canadian)
6DS4	6DS4		Receiving high-mu triode, Nuvistor
6DS5	6DS5		Receiving beam power tube, 7 pin miniature
6DS8	6DS8	ECH83	Triode-Heptode changer
6DT5	6DT5		Receiving beam power pentode, miniature
6DT6	6DT6		Sharp cut off miniature pentode
6DT8	6DT8		High Mu twin triode
6DV4	6DV4		Receiving UHF triode, Nuvistor
6DW4	6DW4		Half-wave vacuum rectifier
6DW5	6DW5		Miniature beam power pentodes
6DX4	6DX4		Miniature UHF triode
6DX8	6DX8		Miniature triode-pentode (Canadian)
6DY5	6DY5		Miniature audio pentode (Canadian)
6DY7	6DY7		Receiving dual beam power pentode
6DZ7	6DZ7		AF power amplifier
6DZ8	6DZ8		Miniature high mu triode power pentode
6E5	6E5	VT-215	Electron ray tuning indicator. Similar to 6AB5, 6N5

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Tube Type	Current Service Designation	Other Number	Class Description
6E6	6E6		Receiving twin triode amplifier
6E7	6E7		Receiving pentode amplifier (Type 6U7G characteristics)
6E8	6E8		Receiving triode-hexode (French)
6E8G	6E8G		Receiving triode-hexode converter (French). Obsolete
6EA5	6EA5		Sharp cut off miniature tetrode
6EA7	6EA7		Dual triode with dissimilar sections
6EA8	6EA8		Miniature triode pentode
6EB5	6EB5		Miniature double diode
6EB8	6EB8		Miniature triode-pentode
6EC7	6EC7		Variable mu h-f pentode (British)
6EF6	6EF6		Receiving beam power pentode.
6EH5	6EH5		Miniature power pentode
6EH7	6EH7/EF183	EF183	Receiving i-f pentode (Canadian)
6EH8	6EH8		Miniature triode-pentode with a controlled heater warm up time characteristic
6EJ7	6EJ7		Receiving i-f pentode (Canadian)
6EL7	6EL7	6F23	Miniature h-f pentode (British)
6EM5	6EM5		Miniature beam power tube
6EM7	6EM7		Dual triode, dissimilar sections
6EP-----	6EP-----		Cathode ray-electrostatic focus and deflection (British)
6EQ7	6EQ7		Miniature diode pentode
6ER5	6ER5		Miniature tetrode, frame grid
6ES5	6ES5		Miniature high mu triode
6ES6	6ES6	EF97	Receiving remote pentode cut off (Canadian)
6ES8	6ES8		Miniature high mu, variable mu twin triode (Canadian)
6ET6	6ET6	EF98	Receiving IF-AF amplifier pentode (Canadian)
6ET7	6ET7		Miniature duo-diode pentode
6EU7	6EU7		Miniature high-mu twin triode
6EU8	6EU8		Miniature triode pentode
6EV5	6EV5		Miniature sharp cut off tetrode
6EW6	6EW6		Miniature sharp cut off pentode
6EW7	6EW7		Dissimilar double triode
6EX6	6EX6		Beam power pentode
6EY6	6EY6		Beam power pentode
6EZ5	6EZ5		Beam pentode, deflection amplifier
6EZ8	6EZ8		Miniature triple triode
6F4	6F4	A2227	Receiving acorn-type UHF triode oscillator
6F5	6F5		Receiving triode amplifier (6Q7 will replace if lead on pin #4 is put on pin #3)
6F5G	6F5G		Replace with 6F5GT

Tube Type	Current Service Designation	Other Number	Class Description
6F5GT	6F5GT		Receiving triode amplifier (6Q7GT will replace if lead on pin #4 is put on pin #3)
6F5MG	6F5MG		Obsolete-equivalent to 6F5 and 6F5GT
6F6 6F6G	6F6 6F6G	VT-66 10E/346, NR85, ARP17, W1535, VT-66A, KT63(Br)	Receiving pentode power amplifier Use 6F6GT
6F6GT 6F6MG	6F6GT 6F6MG		6F6 in T-9 envelope Obsolete; equivalent to 6F6 and 6F6GT
6F7 6F7S	6F7 6F7S	VT-70	Receiving triode pentode Receiving triode pentode. Obsolete use 6F7
6F8G	6F8G	VT-99	Receiving twin triode. Similar to 6SN7GT, 7N7, 6AH7GT
6FA7	6FA7		Miniature diode tetrode
6FC7	6FC7		Double triode, frame grid (British)
6FD6	6FD6		Miniature sharp cutoff pentode
6FD7	6FD7		Dissimilar double triode
6FE5	6FE5		Beam power tube
6FG6	6FG6		Indicator tube with amplifying triode for use as tuning indicator or for modulation control (Canadian)
6FG7	6FG7		Triode pentode for vhf
6FH5	6FH5		Miniature triode, sharp cutoff
6FH6	6FH6		Beam power pentode-TV horizontal deflection
6FH8	6FH8		Miniature medium-mu triode-three plate tetrode
6FJ7	6FJ7		Dissimilar double triode, deflection oscillator and amplifier
6FM8	6FM8		Duplex diode-high mu triode
6FP-----	6FP-----		Cathode ray tube, rectangular, electrostatic focus & deflection
6FN5	6FN5		Pentode deflection amplifier (French)
6FQ5	6FQ5		Miniature vhf triode, frame grid
6FQ7	6FQ7		Miniature twin triode, medium mu
6FR7	6FR7		Dissimilar double triode
6FS5	6FS5		Miniature vhf beam pentode
6FV6	6FV6		Miniature sharp cut off pentode
6FV8	6FV8		Miniature triode pentode
6FW5	6FW5		Beam pentode deflection amplifier
6FW7	6FW7		Subminiature dual triode (Japan)
6FW8	6FW8		Medium mu twin triode
6FY5	6FY5		Miniature vhf triode, frame grid
6G4	6G4	X102B	Receiving UHF triode amplifier
6G5	6G5		Electron ray tuning indicator, see 6U5

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Tube Type	Current Service Designation	Other Number	Class Description
6G6G	6G6G	VT-198A	Receiving pentode power amplifier
6G6GT	6G6GT		Receiving pentode power amplifier
6G7	6G7	89RS	Receiving pentode duo-diode (Canadian)
6G8G	6G8G		Receiving duodiode remote cut off pentode (Australian)
6G11	6G11		Dissimilar double pentode, Compactron
6G12	7H12		See 7H12
6GA8	6GA8		Twin triode (British)
6GB5	6GB5		Beam power pentode
6GC5	6GC5		Beam power pentode, audio
6GC6	6GC6		Beam power pentode, deflection amplifier
6GD7	6GD7		Miniature triode pentode
6GE5	6GE5		Beam pentode, deflection amplifier, Compactron
6GE8	6GE8		Miniature triode pentode
6GF5	6GF5		Beam pentode, Compactron
6GF7	6GF7		Miniature dissimilar dual triodes
6GH8	6GH8		Medium mu triode-sharp cut off pentode
6GJ5	6GJ5	ECF-801	Miniature beam power
6GJ7	6GJ7		Miniature triode pentode
6GJ8	6GJ8		Miniature triode pentode
6GK5	6GK5		Miniature whf triode, frame grid
6GK6	6GK6		Miniature beam power pentode
6GK7	6GK7		Miniature high gain pentode (Canadian)
6GM5	6GM5		Beam power amplifier
6GM6	6GM6		Miniature semi-remote pentode
6GM8	6GM8		Miniature double triode (Canadian)
6GN8	6GN8		Miniature triode pentode
6GP-----	6GP-----		Cathode ray tube, dual beam, electrostatic deflection and focus
6GQ7	6GQ7		Miniature triple triode
6GS8	6GS8		Miniature dual pentode
6GT5	6GT5		Beam power tube, deflection amplifier
6GU7	6GU7		Miniature twin triode for color TV
6GV7	6GV7		VHF triode pentode (British)
6GW5	6GW5		Miniature triode, frame grid
6GW6	6GW6		Beam power, deflection amplifier
6GW8	6GW8		Miniature triode pentode
6GX6	6GX6		Miniature sharp cutoff pentode
6GY5	6GY5		Beam pentode deflection amplifier
6GY6	6GY6		Miniature sharp cutoff pentode
6GY8	6GY8		Miniature triple triode
6GZ5	6GZ5		Miniature audio power pentode
H-6	H-6		Transistor