

(010L)Rating of Japanese Receiving Tubes (9 Pages)																					
Tube Type	Classification by Construction	Base Conn- ection	Filament/Cathode		Max. Rating				Service	Voltage			Current		Anode Res. Ohm	Gm μS	Amp. Factor (μ)	Load Res. Ohm	Power Output W	Note	Maker (Year)
			Voltage V	Current A	Anode		Screen Grid			Anode V	Screen V	Control V	Anode mA	Screen mA							
					V	W	V	W													
C1	DH Triode (Low Vacuum)	Unbased	6	0.8	40-80	—	N/A	—	Detector	—	—	—	—	—	—	—	—	—	—	Shipboard, General	JRC (1918)
C2	DH Triode (Low Vacuum)	Unbased	4-6	0.9	40-80	—	N/A	—	Detector	—	—	—	—	—	—	—	—	—	—	Shipboard, General	JRC
C3A	DH Triode (High Vacuum)	Unbased	6	1.0	60-100	—	N/A	—	Det. & Amp.	—	—	—	—	—	30-50k	240-400	12	—	—	Old Navy Type	JRC (1920)
C3B	DH Triode (Med. Vacuum)	Unbased	6	1.0	40-80	—	N/A	—	Detector	—	—	—	—	—	32-60k	200-380	12	—	—	General	JRC
C4A	DH Triode (High Vacuum)	UV (4-14)	6	0.8	60-100	—	N/A	—	Detector	—	—	—	—	—	51-64k	420-530	27	—	—	Post Office	JRC
C4B	DH Triode (High Vacuum)	UV (4-14)	6	0.9	40-60	—	N/A	—	Voltage Amp.	—	—	—	—	—	26-34k	270-350	9	—	—	Post Office	JRC
C4C	DH Triode (High Vacuum)	UV (4-14)	4-6	0.6	40-80	—	N/A	—	Voltage Amp.	—	—	—	—	—	24-36k	195-290	7	—	—	Shipboard	JRC (1924)
C4D	DH Triode (Very High Vacuum)	UV (4-14)	4-6	0.6	40-80	—	N/A	—	H.F. Amp. & Osc.	—	—	—	—	—	24-36k	195-290	7	—	—	Railroad	JRC (1924)
C5	DH Triode (High Vacuum)	Unbased	6	0.8	40-80	—	N/A	—	Detector	—	—	—	—	—	—	—	—	—	—	Ship., Amateur	JRC
C6	DH Triode (Low Vacuum) ?	UV (4-14)	4	0.6	≈ 20	—	N/A	—	Detector	—	—	—	—	—	—	—	—	—	—	Amateur	JRC
C7	DH Triode (Low Vacuum)	UV (4-14)	4-6	0.9	40-80	—	N/A	—	Detector	—	—	—	—	—	—	—	—	—	—	Shipboard, General	JRC (1924)
C8	DH Triode (High Vacuum)	Unbased	4-6	0.6	40-80	—	N/A	—	Det. & Amp.	—	—	—	—	—	24-36k	195-240	7	—	—	Post, General	JRC
C9	DH Triode (High Vacuum)	UX (4-04?)	6	0.55	100	—	N/A	—	Det. & Amp.	—	—	—	—	—	30k	300	9	—	—	Navy Type	JRC
C10	DH Triode (High Vacuum)	G4?	6	0.55	90	—	N/A	—	Det. & Amp.	—	—	—	—	—	—	—	—	—	—	Aircraft, Lorenz	JRC
C11	DH Triode (High Vacuum)	G4?	6	0.55	50-90	—	N/A	—	Det. & Amp.	—	—	—	—	—	24-31k	400-500	12	—	—	Aircraft, Telefunken	JRC
C12	DH Triode (High Vac., Dull Emitter)																			—	JRC (1925)
CH-1	IDH Heptode	8-06	12.0	0.175	—	—	—	—	Freq. Converter	250	100(Eg2/4)	—	3.2	7.5(Ig2/4)	Rg1=20k Ω , Ig1=0.4mA, Eg3=-1V				H-Series for WW II		Toshiba (1942)
CY-501-F	IDH Pentode	5-08	4.5	0.5	—	—	—	—	LF Amp. (Wired Tel.)	250	100	-1.5	5.0	1.3	1500k	2000	3000	—	—	—	NEC
CZ-501-D	IDH Pentode	6-10	3.5	1.0	—	—	—	—	LF Amp. (Wired Tel.)	250	130	-2.5	6.5	1.5	1000k	3500	3500	—	—	Similar to WE 310A	NEC
CZ-504-D	IDH Pentode	6-01	5.5	1.0	—	—	—	—	LF Amp. (Wired Tel.)	250	200	-13.5	40	7.5	90k	3500	315	—	—	Similar to WE 311A	NEC
DH 2	IDH Twin-Diode	8-02	12.0	0.175	—	—	N/A	—	Detector	150	—	—	8	—	Same as 12H6GT				H-Series for WW II		Toshiba (1942)
FM-2A05A	IDH Pentode	8-30	12.6	0.23	—	—	—	—	VHF Amp.	250	100	-2	3.3	1.1	1800k	2300	4000	Cpg=0.003p		Improved NF2	JRC (1941)
HF-300B	DH Triode	4-04	5.0	1.6	450	36	N/A	—	Power Amp.	300	—	-61	60	—	700	5500	3.85	2.4k	6.6	Equiv. to WE 300B	Okaya (1974)
HF-300B/2.5	DH Triode	4-04	2.5	3.2	450	36	N/A	—	Power Amp.	300	—	-61	60	—	700	5500	3.85	2.4k	6.6	Similar to WE 300B	Okaya (1974)
HX-1	IDH Mercury-Filled Diode	4-02	6.3	0.3	400	—	N/A	—	Half-Wave Rectifier	—	—	—	—	—	400V, 50mA Max.				—		TEC (1933)
KH 2	IDH Twin-Diode	8-07	24.0	0.25	300	—	N/A	—	Full-Wave Rectifier	—	—	—	—	—	300V, 100mA Max.				H-Series for WW II		Toshiba (1942)
Kt-6H6A	IDH Twin-Diode	7-03	6.3	0.3	—	—	N/A	—	Detector, FW Rectifier	—	—	—	—	—	117V, 8ma Max.				—		TEC (1938)
KX-12B	DH Diode	4-01	5.0	0.5	—	—	N/A	—	Half Wave Rectifier	—	—	—	—	—	180V, 30mA Max.				—		TEC (1934)
(KX)-12F	DH Diode	4-01	5.0	0.5	—	—	N/A	—	Half Wave Rectifier						300V, 40mA Max.				—		TEC (1937)
KX-80B	DH Diode	4-01	5.0	1.25	—	—	N/A	—	Half Wave Rectifier	—	—	—	—	—	400V, 70mA Max.				—		TEC (1933)
KX-202A	DH Diode	4-01	7.5	1.25	—	—	N/A	—	Half Wave Rectifier	—	—	—	—	—	500V, 100mA Max.				—		—
KX-6901	DH Diode	4-03	2.5	5	—	—	N/A	—	Half Wave Rectifier	—	—	—	—	—	PIV=16.5kV, 2mA Max.				—		Toshiba (1940)
MB-850	IDH Pentode	8-05	6.3	0.5	—	—	—	—	VHF Amp.	250	130	-2	8.0	1.6	—	4000	—	—	—	Metal tube	NEC
MC-619-A	IDH Tetrode	5-07	2.0	1.6	—	—	—	—	Det. & RF Amp.	135	45	-1.5	4.5	—	160k	750	—	—	—	Equiv. to WE 245A	NEC
ME-664-A	IDH Pentode	S-20	6.3	0.15	—	—	—	—	VHF Amp.	250	100	-3	2.7	—	800k	1500	1200	—	—	Variant of 954	NEC, Shinagawa
N-021	IDH Twin-Diode	8-28	12.6	0.36	—	—	N/A	—	Detector, FW Rectifier	—	—	—	—	—	350V, 7mA Max.				N Series (12G-K10)		JRC
N-051	IDH Pentode	8-26	12.6	0.22	—	—	—	—	RF Amp.	250	100	-2	2.0	0.6	1900k	1600	—	—	—	N Series (12G-R4)	JRC
N-052	IDH Pentode	8-27	12.6	0.36	—	—	—	—	Power Amp.	250	250	-15	35	8	60k	3000	—	6k	3	N Series (12G-P7)	JRC
N-053	IDH Var. μ Pentode	8-26	12.6	0.22	—	—	—	—	RF Amp.	250	100	-2	4.2	0.6	1500k	1600	—	—	—	N Series (12G-V3)	JRC
N-231	IDH Twin-Diode/Triode	8-25	12.6	0.22	—	—	N/A	—	Det. & Amp.	250	—	-2	1.5	—	—	1500	90	—	—	N Series (12G-DH4)	JRC
N-361	IDH Triode/Hexode	8-22	12.6	0.36	—	—	N/A	—	Triode: Local Osc	150	—	-6	4	—	11.5k	1000	—	—	—	N Series (12G-C4)	JRC
					—	—	—	—	Hexode: Mixer	250	100	-2	4	1.5	16k	Gc=400	—	—	—		
NM 90	DH Triode (Dull Emitter)	4-14	3.5	0.09	200 Max.	—	N/A	—	Det. & Amp.	20-80	—	—	Emission=10mA		10-20k	400-500	5	—	—	—	JRC
NM 180	DH Triode (Dull Emitter)	4-14	2.5	0.18	200 Ma	—	N/A	—	Det. & Amp.	20-80	—	—	Emission=15mA		10-20k	400-500	5	—	—	—	JRC
NVV-1	DH Triode (Low Vacuum)	?	6.0	1.0	—	—	N/A	—	Detector	45-100	—	—	—	—	—	—	—	—	—	NVV Brand	Nihon Shinkukan
NVV-4	DH Triode (Low Vacuum)	?	6.0	0.9	—	—	N/A	—	Detector	30-70	—	—	—	—	—	—	—	—	—	NVV Brand	Nihon Shinkukan
NVV-5	DH Triode (Low Vacuum)	?	6.0	0.9	—	—	N/A	—	Detector	30-70	—	—	—	—	—	—	—	—	—	NVV Brand	Nihon Shinkukan
NVV-5A	DH Triode (High Vacuum)	?	6.0	0.9	—	—	N/A	—	Detector	20-45	—	—	—	—	—	—	—	—	—	NVV Brand	Nihon Shinkukan
NVV-6	DH Triode (High Vacuum)	?	6.0	0.6	—	—	N/A	—	Voltage Amp.	45-100	—	—	—	—	—	—	—	—	—	NVV Brand	Nihon Shinkukan
NVV-6A	DH Triode (High Vacuum)	?	6.0	0.6	—	—	N/A	—	Det. & Amp.	45-100	—	—	—	—	—	—	—	—	—	NVV Brand	Nihon Shinkukan

Tube Type	Classification by Construction	Base Conn- ection	Filament/Cathode		Max. Rating				Service	Voltage			Current		Anode Res. Ohm	Gm μS	Amp. Factor (μ)	Load Res. Ohm	Power Output W	Note	Maker (Year)
			Voltage V	Current A	Anode		Screen Grid			Anode V	Screen V	Control V	Anode mA	Screen mA							
					V	W	V	W													
NVV-101	DH Triode (High Vacuum)	?	6.0	0.2	—	—	N/A	—	Det. & Amp.	20-100	—	—	—	—	—	—	—	—	—	NVV Brand	Nihon Shinkukan
PH-1	IDH Beam Power	8-01	12.0	0.25	315	12	285	2	Power Amp.	250	250	-12.5	45	4.5	50k	4100	—	5k	4.5	H-Series for WW II	Toshiba (1942)
RC-4	IDH Pentode	S-20	6.3	0.3	—	—	—	—	VHF Amp.	250	100	-2	5.0	1.5	—	3000	—	—	—	German Type	Toshiba (c. 1943)
RE-3	IDH Pentode	S-20	6.3	0.23	—	—	—	—	VHF Amp.	200	100	-2	4.0	1.5	—	2000	2000	—	—	German Type	JRC (1941)
RH-2	IDH Pentode	8-05	12.0	0.175	—	—	—	—	Voltage Amp.	250	100	Rk=330 Ω	5.0	1.2	—	2000	—	Cpg=0.04pF	H-Series for WW II	Toshiba (1942)	
RH-4	IDH Pentode	8-04	12.0	0.25	—	—	—	—	Voltage Amp.	250	100	Rk=300 Ω	5.5	1.8	1000k	4000	—	Cpg=0.04pF	H-Series for WW II	Toshiba (1942)	
RH-8	IDH Pentode	8-04	12.0	0.25	—	—	—	—	Voltage Amp.	250	150	Rk=160 Ω	10.0	1.6	—	8000	—	Cpg=0.04pF	H-Series for WW II	Toshiba (1942)	
R1A	DH Triode (High Vacuum)	4-09?	6	0.6	40-80	—	N/A	—	Det., Amp. & Osc.	40-80	—	—	—	—	33.5-91k	190-510	17	—	—	French Type	JRC
R1B	DH Triode (High Vacuum)	4-09?	6	0.6	40-80	—	N/A	—	Det. & Amp.	40-80	—	—	—	—	33.5-91k	190-510	17	—	—	French Type	JRC
Sola	IDH Pentode	8-05	12.0	0.175	—	—	—	—	Voltage Amp.	250	100	Rk=330 Ω	5.0	1.2	—	2000	—	Cpg=0.015pF	For WW II	Toshiba (1944)	
TB-500-A	DH Triode	4-04	4.5	1.6	350	14	N/A	—	LF Amplifier	350	—	-25	27	—	4k	1750	7	—	—	Equiv. to WE 205D	NEC (205DN)
TB-520-A	DH Triode	4-04	5.0	2.0	450	30	N/A	—	LF Amplifier	400	—	-60	29	—	1.9k	2650	5.08	8k	3.7	Equiv. to WE 252A	NEC
TB-600-A	DH Triode	4-14	4.0	0.25	160	—	N/A	—	LF Amplifier	130	—	-8	8.0	—	6k	1200	7	—	—	Equiv. to STC 4019A	NEC
TB-601-A	DH Triode	4-14	2.0	0.25	160	—	N/A	—	LF Amplifier	130	—	-1.5	0.8	—	50k	600	30	—	—	Equiv. to STC 4020A	NEC
TB-602-A	DH Triode	4-14	4.0	0.25	160	—	N/A	—	LF Amplifier	130	—	-8	20	—	2k	3000	6	—	—	Equiv. to STC 4021A	NEC
TB-602-B	DH Triode	4-14	4.0	0.25	160	—	N/A	—	LF Amplifier	130	—	-20	25	—	2k	1250	2.5	—	—	—	NEC
TB-603-A	DH Triode	4-14	4.0	0.25	160	—	N/A	—	LF Amplifier	130	—	-4.5	8.0	—	5k	2400	12	—	—	Equiv. to STC 4022A	NEC
TB-605-A	IDH Triode	5-01	2.6	1.6	180	—	N/A	—	Det., Amp. & Osc.	135	—	-6	6.0	—	1000k	1000	10	—	—	Equiv. to WE 244A	NEC
TB-611-A	Mini DH Triode	S-17(Mini)	1.0	0.25	100	—	N/A	—	Det., Amp. & Osc.	60	—	-3	1.8	—	13.7k	420	5.8	—	—	Equiv. to WE 215A	NEC
TB-613-A	DH Triode	4-04	3.1	0.06	135	—	N/A	—	Det., Amp. & Osc.	90	—	-3	2.0	—	16k	500	8	—	—	Equiv. to WE 231D	NEC
TB-614-A	DH Triode	4-04	1.0	0.27	—	—	N/A	—	Det., Amp. & Osc.	100	—	-8	2.0	—	13.7k	420	6	—	—	Equiv. to WE 239A	NEC
TB-627-A	IDH Triode	5-01	5.0	2.0	500	25	N/A	—	Power Amp.	450		-30	57	—	2.7k	3000	8.5	2.5k	2.9	Equiv. to WE 271A	NEC
TC-626-A	DH Triode	4-04	10.0	0.32	—	—	N/A	—	LF Amplifier	135	—	-4.5	2.0	—	20k	750	15	—	—	Equiv. to WE 262A	NEC
TV-1	DH Triode (Low Vacuum)	?	6.0	1.0	—	—	N/A	—	Detector	40	—	—	—	—	—	—	—	—	—	TV Brand (Tom?)	Tokyo Musen
TV-2	DH Triode (High Vacuum)	?	4.0	0.72	—	—	N/A	—	Voltage Amp.	80	—	—	—	—	—	—	—	—	—	TV Brand (Tom?)	Tokyo Musen
TV-4	DH Triode (Low Vacuum)	?	6.0	1.0	—	—	N/A	—	Detector	40	—	—	—	—	—	—	—	—	—	TV Brand (Tom?)	Tokyo Musen
TV-5	DH Triode (High Vacuum?)	?	4.0	0.72	—	—	N/A	—	Det. & Amo.	80	—	—	—	—	—	—	—	—	—	TV Brand (Tom?)	Tokyo Musen
TV-6	DH Triode (Low Vacuum)	?	6.0	1.0	—	—	N/A	—	Detector	40	—	—	—	—	—	—	—	—	—	TV Brand (Tom?)	Tokyo Musen
TV-7	DH Triode (High Vacuum)	?	4.0	0.72	—	—	N/A	—	Det. & Amo.	80	—	—	—	—	—	—	—	—	—	TV Brand (Tom?)	Tokyo Musen
TV-8	DH Triode (High Vacuum)	?	4.0	1.0	—	—	N/A	—	Det. & Amo.	80	—	—	—	—	—	—	—	—	—	TV Brand (Tom?)	Tokyo Musen
UF-101	DH Triode (High Vacuum)	4-14	4.0	0.65	—	—	N/A	—	Det. & Amo.	80-135	—	—	—	—	20k	—	8	—	—	French Type	TEC
UF-101A	DH Triode	4-09	5.0	0.6	—	—	N/A	—	OSC. & Power Amp.	350	—	0	25	—	10k	1000	10	—	—	French Type	TEC (1927)
UF-109A	DH Triode	4-09	1.1	0.06	—	—	N/A	—	Det. & Amp.	135	—	-4.5	5.9	—	11k	770	8.5	—	—	French Type	TEC (1932)
UF-111A	DH Tetrode	4-10	1.1	0.06	—	—	N/A	—	RF Amp.	135	45	-1.5	1.7	—	450K	300	120	—	—	French Type	—
UG-6P7G	Triode/Pentode	8-03	6.3	0.3	—	—	N/A	—	Triode: Amp.	100	—	-3	3.5	—	16k	500	8	—	—	Octal version of 6F7	TEC/Toshiba (1939)
					—	—	—	—	Pentode: Amp.	250	100	-3	6.5	1.5	850k	1100	—	—	—		
UL-6306	IDH Twin-Pentode	S-19	6.3/12.6	1.0/0.5	—	—	—	—	VHF Amp.	250	150	—	10	1.6	—	8000	—	—	—	Twin Units Of RH-8	Toshiba (1943)
UN-30M	DH Triode ?	4-04?	2.0	0.06	—	—	N/A	—	Det & Amp.	180	—	-13.5	3.1	—	10.3k	900	9.3	—	—	—	—
UN-100	DH Triode (Low Vacuum)	Screw/Leads	2.0	1.0	—	—	N/A	—	Detector	—	—	—	—	—	—	—	—	—	—	Spherical Audion	TEC (1917)
	DH Triode (High Vacuum?)	Screw/Leads			—	—	N/A	—	Det. & Amp.	—	—	—	—	—	—	—	—	—	Spherical Audion	TEC (1918?)	
UN-109C	DH Twin-Triode	6-03	1.1	0.12	—	—	N/A	—	Det. & Amp.	135	—	-4.5	5.9	—	11k	770	8.5	—	—	Twin Units of UX-109A	—
UN-554	IDH Pentode	S-24	5.5	0.3	—	—	—	—	VHF Amp.	250	100	-3	2.0	0.7	1000k	1400	Wartime Variant of 954 due to material shortage			Toshiba	
UN-555	IDH Triode	S-25	5.5	0.3	—	—	N/A	—	VHF Amp. & Osc.	180	—	-5	4.4	—	12.5k	2000	Wartime Variant of 955 due to material shortage			Toshiba	
US-6F7A	IDH Triode/Pentode (Metal)	8-29	6.3	0.3	—	—	N/A	—	Triode: Osc. & Amp.	100	—	-3	3.5	—	16k	500	8	—	—	Metal version of 6F7	TEC/Toshiba (1939)
					—	—	—	—	Pentode: Amp.	250	100	-3	6.5	1.5	850k	1100	—	—	—		
US-6305	IDH Pentode	8-04	6.3	0.3	—	—	—	—	VHF Amp.	250	100	-3	5.2	1.5	1000k	4000	—	—	—	—	Toshiba (1940)
Ut-6L7G	IDH Heptode	7-04	6.3	0.3	—	—	—	—	Mixer	250	UX	-3	3.2	6.5(Ig2/4)	1000k	300(Gc)	Eg3=-10V, Rg3=50k Ω, Eg5=0V			TEC (1936)	
UV-102	DH Triode (High Vacuum?)	Unbased	2.0	0.75	—	—	N/A	—	Det. & Amp.	—	—	—	—	—	—	—	—	—	—	Navy Type	TEC (1920)
UX-10A	DH Triode	4-04	7.5	1.25	—	—	N/A	—	Osc. & Amp.	400	—	-40	6	—	—	—	—	—	—	—	TEC
UX-26B	DH Triode	4-04	1.5	1.05	—	—	N/A	—	Voltage Amp.	180	—	-10	4.2	—	—	1240	12.8	—	—	—	TEC (1934)

Tube Type	Classification by Construction	Base Conn- ection	Filament/Cathode		Max. Rating				Service	Voltage			Current		Anode Res. Ohm	Gm μS	Amp. Factor (μ)	Load Res. Ohm	Power Output W	Note	Maker (Year)
			Voltage V	Current A	Anode		Screen Grid			Anode V	Screen V	Control V	Anode mA	Screen mA							
					V	W	V	W													
UX-31A	DH Triode	4-04	2.0	0.13	—	—	N/A	—	Det. & Amp.	180	—	-13.5	4.0	—	10k	930	9.3	—	—	—	TEC (1934)
UX-47C	DH Pentode	4-08	5.0	0.5	—	—	—	—	Osc. & Power Amp.	250	250	-15.3	32	7	40k	2500	—	—	—	—	TEC (1934)
UX-109	DH Triode	4-04	1.3	0.08	—	—	N/A	—	Det. & Amp.	90	—	-4.5	2.0	—	16k	530	8.5	—	—	—	TEC (1932)
UX-109A	DH Triode	4-04	1.1	0.06	—	—	N/A	—	Det. & Amp.	135	—	-4.5	5.9	—	11k	770	8.5	—	—	—	TEC (1932)
UX-110	DH Triode	4-04	1.3	0.16	—	—	N/A	—	Power Amp.	150	—	-18	8	—	5.5k	900	5	—	—	—	TEC (1933)
UX-111	DH Tetrode	4-06	1.3	0.08	—	—	N/A	—	Det. & Amp.	21	Eg2=-3	20	1.7	—	6.6k	800	5.2	—	—	Space-Charge Grid	TEC (1933)
UX-111B	DH Tetrode	4-06	1.3	0.08	—	—	N/A	—	Det. & Amp.	20	Eg2=-1.5	20	1.0	—	10.6k	850	9	—	—	Space-Charge Grid	TEC (1933)
UX-134	DH Var. μ Pentode	4-07	1.1	0.06	—	—	—	—	RF Amp.	90	67.5	-1.5	2.0	—	700k	320	220	—	—	—	TEC (1933)
UX-202A	DH Triode	4-04	7.5	1.25	—	—	N/A	—	Power Amp. & Osc.	400	—	-30	19	—	5k	1600	8	—	—	—	TEC (1936)
UX-6202	DH Tetrode	4-06	1.9	0.05	—	—	—	—	RF Amp.	225	45	—	0.9	—	—	—	—	—	—	—	TEC/Toshiba (1939)
UY-6A3B	IDH Triode	5-01	6.3	1.6	—	—	N/A	—	Power Amp.	250	—	-43.5	60	—	1.1k	3640	—	3k	≈3	IDH Version of 2A3	TEC (1936)
UY-10H	IDH Triode	5-01	6.3	0.8	—	—	N/A	—	Osc. & Amp.	400	—	-35	36	—	330k	2600	7.8	—	—	—	TEC
UY-11A	DH Pentode	5-09	1.1	0.06	—	—	—	—	All Purpose Amp.	135	67.5	-3	1.8	0.5	700k	480	300	—	—	—	TEC (1935)
UY-24B	IDH Tetrode	5-07	2.5	1.75	—	—	—	—	Det. & Amp.	250	90	-3	4.2	1	600k	1050	630	—	—	—	TEC (1934)
UY-27A	IDH Triode	5-01	2.5	1.5	—	—	N/A	—	Det. & Amp.	250	—	-21	5.0	—	—	1000	9	—	—	—	TEC (1934)
UY-27B	IDH Triode	5-01	2.5	1.0	—	—	N/A	—	Det. & Amp.	180	—	-3	6.3	—	15k	1800	27	—	—	—	TEC (1934)
UY-35B	IDH Var. μ Tetrode	5-07	2.5	1.75	—	—	—	—	RF Amp.	250	90	-3	6.8	2.5	400k	1100	440	—	—	—	TEC (1935)
UY-36A	IDH Tetrode	5-07	6.3	0.3	—	—	—	—	Det. & RF Amp.	250	90	-3	3.3	—	330k	1100	330	—	—	—	TEC (1933)
UY-37A	IDH Triode	5-01	6.3	0.3	—	—	N/A	—	Det. & Amp.	250	—	-18	7.5	—	8.4k	—	9.2	—	—	—	TEC (1933)
UY-38A	IDH Pentode	5-08	6.3	0.3	—	—	—	—	Power Amp.	250	250	-25	22	3.8	100k	1200	120	10k	2.5	—	TEC (1933)
UY-39A	IDH Pentode	5-08	6.3	0.3	—	—	—	—	RF Amp.	250	90	-3	5.8	1.4	1000k	1050	1050	—	—	—	TEC (1933)
UY-45H	IDH Triode	5-01	6.3	0.8	—	—	N/A	—	Power Amp.	275	—	-56	36	—	1.7k	2050	3.5	4.6k	2.0	IDH Version of 45	TEC (1934)
UY-46C	DH Tetrode	5-03	2.5	0.5	—	—	N/A	—	Class-B Amp.	300	—	0	4	—	—	—	—	6k	3	—	TEC (1933)
UY-47A	DH Pentode	5-02	2.5	1.75	—	—	—	—	Power Amp.	250	250	-16.5	31	6	60k	2500	—	7k	2.7	—	TEC (1934)
UY-47B	DH Pentode	5-02	2.5	0.5	—	—	—	—	Power Amp.	180	180	-19	20	4.8	45k	2000	90	6k	1.4	—	TEC (1934)
UY-56A	IDH Triode	5-01	2.5	0.8	—	—	N/A	—	Det., Amp. & Osc.	250	—	-13.5	1.2	—	8k	1830	13.6	—	—	—	—
UY-57S	IDH Pentode	5-12	2.5	1.0	—	—	—	—	Det. & Amp.	250	100	-3	2.0	0.5	1000k	1250	—	—	—	—	—
UY-76A	IDH Triode	5-01	6.3	0.3	—	—	N/A	—	Det. & Amp.	250	—	-13.5	1.2	—	8k	1830	13.6	—	—	—	—
UY-133	DH Pentode	5-02	1.1	0.125	—	—	—	—	Power Amp.	90	90	-9.0	4.6	—	80k	750	60	—	0.13	—	TEC (1933)
UY-133A	DH Pentode	5-02	1.1	0.06	—	—	—	—	Power Amp.	90	90	-4.5	3.3	1.0	120k	500	—	—	—	—	TEC (1933)
UY-536	IDH Tetrode	5-07	6.3	0.3	—	—	—	—	Det. & Amp.	250	90	-3	3.2	—	550k	1080	595	—	—	—	TEC (1935)
UY-537	IDH Triode	5-01	6.3	0.3	—	—	N/A	—	Det. & Amp.	250	—	-18	7.5	—	8.4k	1100	9.2	—	—	—	TEC (1935)
UY-538	IDH Pentode	5-08	6.3	0.3	—	—	—	—	Power Amp.	250	250	-25	22	—	100k	1200	120	—	—	—	TEC (1935)
UY-539	IDH Pentode	5-08	6.3	0.3	—	—	—	—	RF Amp.	250	90	-3	5.8	—	1000k	1050	1050	—	—	—	TEC (1935)
UY-807	IDH Beam Power	5-13	6.3	0.9	600	25	300	2	Power Amp.	250	250	-14.5	72	5	—	6000	—	2.5k	6.5	—	Toshiba (1940), etc.
UY-807A	IDH Beam Power	5-13	6.3	0.9	600	25	—	3.5	Power Amp.	—	—	—	—	—	—	—	—	—	—	Transmitting Use	Toshiba (1940)
UY-807B	IDH Beam Power	5-13	12.0	0.45	600	25	—	3.5	Power Amp.	—	—	—	—	—	—	—	—	—	—	Transmitting Use	Toshiba (1940)
UY-6301	IDH Triode	5-01	6.3	0.6	—	—	N/A	—	Voltage Amp.	250	—	Rk=160 Ω	9	—	13k	7700	100	—	—	—	TEC/Toshiba (1939)
Uy-11M	Mini DH Tetrode	5-10	1.1	0.06	—	—	—	—	Det. & Amp.	22.5	22.5	-1	0.6	—	20.2k	420	8.5	—	—	—	TEC (1937)
Uy-14M	Mini DH Pentode	5-11	1.1	0.06	—	—	—	—	RF Amp.	45	45	-3	0.35	0.1	500k	130	6.5			—	TEC (1937)
UZ-1C6B	DH Heptode	6-02	2.0	0.12	—	—	—	—	Freq. Converter	180	180	—	1.6	Ig3/5=2.0	—	Gc=325	Rg1=160 Ω , Ig1=0.2mA, Eg3/5=67.5V, Eg4=-3V				TEC/Toshiba (1939)
UZ-6L6A	IDH Beam Power	6-01	6.3	0.9	360	19	270	2.5	Power Amp.	250	250	-14	72	5	22.5k	6000	—	2.5k	6.5	Similar to 6L6G	TEC (1938)
UZ-12C	DH Twin-Triode	6-03	5.0	0.5	—	—	N/A	—	Osc., Det. & Amp.	180	—	-15	9.5	—	4.15k	1800	7.5	—	—	Twin-Unit of 12A	TEC (1934)
UZ-30C	DH Twin-Triode	6-03	2.0	0.12	—	—	N/A	—	Det. & Amp.	180	—	-13.5	3.1	—	10.3k	900	9.3	—	—	Twin-Unit of 30	TEC (1933)
UZ-30MC	DH Twin-Triode	6-03	2.0	0.12	—	—	N/A	—	Det. & Amp.	180	—	-13.5	3.1	—	10.3k	900	9.3	—	—	Twin-Unit of 30	TEC (1934)
UZ-31MC	DH Twin-Triode	6-03	2.0	0.26	—	—	N/A	—	Power Amp.	180	—	-30	12.3	—	—	1050	3.8	5.7k	0.375	Twin-Unit of 31	TEC (1934)
UZ-33A	DH Twin-Triode	6-03	2.0	0.26	—	—	N/A	—	Det. & Amp.	135	—	-13.5	14.5	—	50k	1450	70	—	—	Twin-Unit of 33	TEC (1934)
UZ-47D	DH Pentode	6-07	5.0	0.5	—	—	—	—	Osc. & Modulate	250	250	-15.3	55	14	23.5k	3400	—	—	—	—	TEC (1934)
UZ-47G	DH Pentode	6-07	5.0	0.25	—	—	—	—	Osc. & Modulate	135	135	-13.5	27	—	24.5k	1880	—	—	—	—	—
UZ-47H	DH Pentode	6-07	5.0	1.65	—	—	—	—	Osc. & Modulate	250	250	-15.3	62	—	21.7k	3600	78	—	—	—	—

Tube Type	Classification by Construction	Base Conn- ection	Filament/Cathode		Max. Rating				Service	Voltage			Current		Anode Res. Ohm	Gm μS	Amp. Factor (μ)	Load Res. Ohm	Power Output W	Note	Maker (Year)
			Voltage V	Current A	Anode		Screen Grid			Anode V	Screen V	Control V	Anode mA	Screen mA							
					V	W	V	W													
UZ-47K	DH Pentode	6-07	5.0	0.5	—	—	—	—	Osc. & Modulate	150	150	-20	32	8	25k	2450	60	—	—	—	—
UZ-57A	IDH Pentode	6-10	2.5	0.8	300	0.75	125	0.1	Det. & Amp.	250	100	-3	2	0.5	1000k	1250	—	—	—	—	—
UZ-58A	IDH Var. μ Pentode	6-10	2.5	0.8	300	2.25	125	0.25	RF Amp.	250	100	-3	8.2	2.0	800k	1600	—	—	—	—	—
UZ-130C	DH Twin-Triode	6-03	1.1	0.24	—	—	N/A	—	Det., Amp. & Osc.	180	—	-13.5	11.5	—	—	1400	7.2	—	—	—	TEC (1934)
UZ-133D	DH Triode/Pentode	6-08	1.1	0.125	—	—	N/A	—	Triode: Voltage Amp.	135	—	-4.8	5.9	—	11k	770	8.5	—	—	—	TEC (1934)
					—	—	—	—	Pentode: Voltage Amp.	90	90	-4.8	3.3	1.0	120k	500	—	—	—	—	—
UZ-135	DH Heptode	6-09	1.1	0.13	—	—	—	—	Freq. Converter	135	Eg2=135V	-3	2.2	—	—	Gc=200	Eg3/5=67.5V, Rg2=20k Ω				TEC (1934)
UZ-6001	IDH Pentode	6-10	6.3	0.3	—	—	—	—	Voltage Amp.	250	100	-3	2.3	0.5	1000k	1250	—	—	—	—	TEC/Toshiba (1939)
UZ-6302	IDH Pentode	6-10	6.3	0.6	—	—	—	—	Video Amp.	250	150	Rk=140 Ω	12	2.5	—	10000	—	—	—	—	TEC/Toshiba (1939)
UZ-6304	IDH Pentode	6-01	6.3	0.7	—	—	—	—	Power Amp.	250	150	-3	32	6	180k	13000	—	—	—	—	TEC/Toshiba (1939)
1D-E14	Mini DH Triode (Tuning Ind.)	S-03	1.4	0.25	130	0.1	N/A	—	Tuning Indicator	100	—	0/-6V	0.35	—	—	—	—	—	—	—	—
1D-K25	DH HV Diode	S-04	0.6	0.2	6.5k (PIV)	—	N/A	—	HV Rectifier	6.5k(PIV)	—	—	0.14	—	—	—	—	—	—	—	—
1D-K27	DH HV Diode	S-04	0.7	0.2	10k (PIV)	—	N/A	—	HV Rectifier	10k(PIV)	—	—	0.2	—	—	—	—	—	—	—	—
1D-K29	DH HV Diode	S-04	0.9	0.2	9k (PIV)	—	N/A	—	HV Rectifier	9k(PIV)	—	—	0.2	—	—	—	—	—	—	—	—
1E-DR1	Mini DH Diode/Pentode	S-01	1.25	0.025	—	—	—	—	Det. & Amp.	45	45	0	0.8	0.35	—	350	—	—	—	Sub-MT	—
1E-R11	Mini DH Pentode	S-02	1.25	0.025	—	—	—	—	RF Amp.	67.5	67.5	0	1.6	0.4	1000k	1100	—	—	—	Sub-MT	—
1E-R20	Mini DH Pentode	S-05	1.25	0.01	—	—	—	—	Voltage Amp.	20	20	-2	0.05	0.01	—	100	—	—	—	Sub-MT	—
1R-K23	IDH HV Diode	m9-01	1.4	0.55	27k (PIV)	—	N/A	—	HV Rectifier	27k(PIV)	—	—	0.55	—	—	—	—	—	—	—	—
1R-K31	DH HV Diode	m9-02	1.25	0.5	22k (PIV)	—	N/A	—	HV Rectifier	22k(PIV)	—	—	—	—	—	—	—	—	—	—	—
1R5-SF	DH Heptode	m7-01	1.4	0.025	90	—	—	—	Freq. Converter	67.5	Eg2/4=67.5	Eg3=0	1.4	Ig2/4=3.2	500k	Gc=280	—	—	—	1AQ5	—
1S5-SF	DH Diode/Pentode	m7-02	1.4	0.025	90	—	—	—	Det. & Amp.	67.5	67.5	0	1.6	0.4	600k	625	—	—	—	1AR5	—
1T4-SF	DH Var. μ Pentode	m7-03	1.4	0.025	90	—	67.5	—	Voltage Amp.	90	67.5	0	2.4	0.9	500k	850	—	—	—	1AM4	—
1U5-SF	DH Diode/Pentode	m7-04	1.4	0.025	90	—	90	—	Det. & Amp.	67.5	67.5	0	1.6	0.4	600k	625	—	—	—	1AS5	—
2D-H6	IDH Triode	S-06	2.3	0.6	200	—	N/A	—	VHF Amp.	135	—	-1	11.5	—	5.4k	15000	78	—	—	Sub MT	—
3D-HH12	IDH Twin-Triode	S-07	6.3	0.3	100	1.7	N/A	—	RF Amp.	90	—	-1	9	—	3.8k	9500	36	—	—	Mini MT (Sim. to 6D-HH12)	—
3D-HH13	IDH Twin-Triode	S-08	6.3	0.3	100	1.7	N/A	—	RF Amp.	90	—	-1	9	—	3.8k	9500	36	—	—	Mini MT (Sim. to 6D-HH13)	—
3M-P26	IDH Pentode	m7-05	3.5	0.6	165	4.2	165	0.6	Power Amp.	110	110	-10	32	1.5	—	4250	—	—	—	Similar to 4M-P26	—
3M-R24	IDH Semi-Var. μ Pentode	m7-06	3.15	0.6	330	2.2	330	—	RF Amp.	100	100	Rk=56 Ω	14	4	260k	9000	—	—	—	—	—
3M-R28	IDH Pentode	m7-07	3.15	0.3	330	3.3	330	0.6	RF Amp.	250	250	-1	7.4	2.9	1400k	460	—	—	—	—	—
3M-V7	IDH Semi-Var. μ Pentode	m7-06	3.15	0.6	330	2.2	—	0.55	RF Amp.	100	100	Rk=56 Ω	13	4	260k	8500	—	—	—	—	—
3S4-SF	DH Pentode	m7-08	1.4/2.8	0.05/0.025	90	—	90	—	Power Amp.	85	85	-5.2	6.8	1.4	—	1700	—	11k	0.25	3W4	—
3W-C5	IDH Heptode	7-02	2.5	1.0	—	—	—	—	Freq. Converter	250	100	0	3.5	8.5	1000k	Gc=450	—	—	—	Similar to 6W-C5	—
3Y-P1	IDH Pentode	5-06	2.5	0.9	—	—	—	—	Power Amp.	180	180	-10	15	2.5	130k	1700	—	12k	1.0	Similar to 6Z-P1	—
3Z-DH3	IDH Diode/Triode	6-05	2.5	1.0	—	—	N/A	—	Det. & Amp.	180	—	-2.0	0.9	—	91k	1100	—	—	—	Similar to 6Z-DH3	—
3Z-DH3A	IDH Diode/Triode	6-06	2.5	1.0	—	—	N/A	—	Det. & Amp.	250	—	-2.0	0.9	—	91k	1100	—	—	—	Similar to 6Z-DH3A	—
4D-H6	IDH Triode	S-11	4.3	0.3	200	2.5	N/A	—	RF Amp.	135	—	-1.0	11	—	—	15000	77	—	—	Similar to 6D-H6	—
4D-HH13	IDH Twin-Triode	S-08	4.6	0.45	100	1.7	N/A	—	Cascode Amp.	90	—	-1	9	—	3.8k	9500	36	—	—	Similar to 3/6D-HH13	—
4M-P12	IDH Pentode	m7-10	4.7	0.6	250	8.5	250	2.5	Power Amp.	180	180	-6	28	5	—	5500	—	6k	1.8	Similar to 6/8/9M-P12	—
4M-P26	IDH Pentode	m7-05	4.5	0.45	165	4.2	165	0.6	Power Amp.	110	110	-10	32	1.5	—	4250	—	2.8k	1.4	Similar to 3M-P26	—
4R-HH2	IDH Twin-Triode	m9-03	4.2	0.6	150	2.0	N/A	—	Cascode Amp.	90	—	-1	8.5	—	4.5k	8000	36	—	—	Similar to 6/17R-HH2	—
4R-HH6	IDH Twin-Triode	m9-03	4.2	0.6	150	2.0	N/A	—	Voltage Amp.	105	—	-1	15	—	—	13000	43	—	—	—	—
4R-HH8	IDH Semi-Var. μ Twin-Triode	m9-03	4.2	0.6	220	2.2	N/A	—	RF Amp.	110	—	-1	16	—	—	16000	40	—	—	Similar to 6R-HH8	—
4R-HH9	IDH Twin-Triode	m9-03	4.2	0.6	165	2.2	N/A	—	RF Amp.	90	—	0	16	—	—	16000	38	—	—	Similar to 6R-HH9	—
4R-HH15	IDH Twin-Triode	m9-03	4.2	0.6	165	1.7	N/A	—	RF Amp.	90	—	Rk=143 Ω	7.0	—	—	8000	44	—	—	Similar to 6R-HH15	—
5G-K3	IDH Diode	8-09	5.0	0.7	1kV(PIV)	—	N/A	—	Half-Wave Rectifier	350Max.	—	—	74Max.	—	—	—	—	—	—	Equiv. to 80BK	—
5G-K4	IDH Twin-Diode	8-08	5.0	2.0	1.4kV(PIV)	—	N/A	—	Half-Wave Rectifier	350Max.	—	—	125Max.	—	—	—	—	—	—	Equiv. to 5CG4	—
5G-K18	DH Twin-Diode	8-10	5.0	3.0	1.55k(PIV)	—	N/A	—	Full-Wave Rectifier	450Max.	—	—	275Max.	—	—	—	—	—	—	—	—

Tube Type	Classification by Construction	Base Conn- ection	Filament/Cathode		Max. Rating				Service	Voltage			Current		Anode Res. Ohm	Gm μS	Amp. Factor (μ)	Load Res. Ohm	Power Output W	Note	Maker (Year)
			Voltage V	Current A	Anode		Screen Grid			Anode V	Screen V	Control V	Anode mA	Screen mA							
					V	W	V	W													
5G-K20	IDH Twin-Diode	8-08	5.0	1.9	1 k (PIV)	—	N/A	—	Full-Wave Rectifier	—	—	—	250Max.	—	—	—	—	—	—	—	—
5G-K22	IDH Twin-Diode	8-08	5.0	3.0	1.55k(PIV)	—	N/A	—	Full-Wave Rectifier	550Max.	—	—	275Max.	—	—	—	—	—	—	—	—
5G-K24	IDH Twin-Diode	8-08	5.0	1.9	1.5k(PIV)	—	N/A	—	Full-Wave Rectifier	450Max.	—	—	250Max.	—	—	—	—	—	—	—	—
5M-HH3	IDH Twin-Triode	m7-11	4.7	0.6	200	1.5	N/A	—	TV Freq. Converter	150	—	0	10.5	—	—	2900(GC)	38	—	—	Similar to 6/9M-HH3	—
5M-K9	IDH Diode	m7-12	5.0	0.6	1 k (PIV)	—	N/A	—	Half-Wave Rectifier	350	—	—	60Max.	—	—	—	—	—	—	—	—
5M-L8	IDH Triode	m7-19	4.7	0.3	135	2.3	N/A	—	UHF Oscillator	80	—	0	15	—	2.7k	6700	14	—	—	Similar to 2/3/6DZ4	—
5R-DDH1	IDH Twin-Diode/Triode	m9-05	4.7	0.6	300	1.5	N/A	—	Voltage Amp.	250	—	-2	1.6	—	62k	1600	100	—	—	—	—
5R-HR1	IDH Triode/Pentode	m9-04	5.3	0.6	330	2.3	N/A	—	Triode: Amplifier	125	—	Rk=75 Ω	13.5	—	—	7500	40	—	—	—	—
					330	2.3	330	0.55	Pentode: Amplifier	100	100	Rk=56 Ω	13	4	—	10000	—	—	—	—	—
5R-K16	IDH Twin-Diode	m9-06	5.0	1.2	1 k (PIV)	—	—	—	Full-Wave Rectifier	350Max.	—	—	150Max.	—	—	—	—	—	—	—	—
6B-B14	IDH Beam Power	S-09	6.3	0.6	700	13	250	5	TV Horizontal Output	210	—	—	125	25	—	—	—	—	—	Magnoval	—
6B-B15	IDH Beam Power	S-10	6.3	1.2	650	12	250	2.7	TV Horizontal Output	250	150	-22.5	65	2.1	18k	6000	—	—	—	—	—
6C-A10	IDH Triode	S-23	6.3	1.5	450	30	N/A	—	Power Amp.	250	—	-22	80	—	0.6k	14000	8	1.5k	6	Duodecal (12-Pin)	Luxman/NEC
6D-H6	IDH Triode	S-11	6.3	0.2	200	2.5	N/A	—	RF Amp.	135	—	-1	11	—	—	15000	77	—	—	Similar to 4D-H6	—
6D-H8	IDH Triode	S-12	6.3	0.15	330	0.55	N/A	—	Voltage Amp.	250	—	-2	1.2	—	62.5k	1600	100	—	—	—	—
6D-H9	IDH Triode	S-12	6.3	0.15	330	0.55	N/A	—	Voltage Amp.	250	—	-2	1.2	—	62.5k	1600	100	—	—	Similar to 6D-H8	—
6D-HH12	IDH Twin-Triode	S-07	6.3	0.3	300	1.7	N/A	—	RF Amp.	90	—	-1	9	—	3.8k	9500	36	—	—	Similar to 3D-HH12	—
6D-HH13	IDH Twin-Triode	S-08	6.3	0.3	300	1.7	N/A	—	Cascode Amp.	90	—	-1	9	—	3.8k	9500	36	—	—	Sim. to 3D/4D-HH13	—
6E5D	IDH Triode (Tuning Ind.)	6-11	6.3	0.3	250	—	N/A	—	Tuning Indicator	250	—	0/-7.5	0.2	—	Rp=1Meg Ω	—	—	—	—	6E5 w. Red Diamond	—
6E5-M	IDH Triode (Tuning Ind.)	m7-09	6.3	0.15	200	—	N/A	—	Tuning Indicator	180	—	0/-6	—	—	Rp=1Meg Ω	—	—	—	—	Sim. to 6M-E5 (MT Version of 6E5)	
6G-A4	IDH Triode	8-11	6.3	0.75	350	13	N/A	—	Power Amp.	280	—	-21.5	47	—	1.4k	7000	10	5k	3.2	One Unit of 6BX7GT	—
6G-B3A	IDH Beam Power	8-12	6.3	1.2	550	13	200	5	TV Horizontal Output	100	100	-7.7	100	7	5.3	14000	—	—	—	Sim. to 12/17G-B3A	—
6G-B6	IDH Beam Power	8-12	6.3	1.2	500	11	200	2.5	TV Horizontal Output	250	Rg2=20k Ω	—	90	7	—	—	—	—	—	Sim. to 12/25G-B6	—
6G-B7	IDH Beam Power	8-13	6.3	1.2	700	15	250	5	TV Horizontal Output	100	100	-7.7	100	7	5.3k	14000	—	—	—	Sim. to 12G-B7	—
6G-B8	IDH Beam Power	8-14	6.3	1.5	500	35	400	10	Power Amp.	250	250	-8	140	12	15k	20000	—	1.6k	15	—	—
6G-B9	IDH Beam Power	8-13	6.3	1.2	700	15	200	3	TV Horizontal Output	250	150	-22.5	75	2.4	2k	6600	—	—	—	—	—
6G-B13	IDH Beam Power	S-13	6.3	1.2	300	14	200	5	Power Amp.	130	100	-8	100	5	7.7k	14000	—	1.3k	5.1	Sim. to 50G-B13	—
6G-C5	IDH Heptode	8-19	6.3	0.35	300	1.0	100	1	Freq. Converter	250	Eg2/4=100	Eg3=0	3.5	8.5	1000k	Gc=450	—	—	—	Sim. to 6SA7GT	—
6G-DE2	IDH Diode/Tuning Ind.	8-15	6.3	0.3	250	—	N/A	—	Tuning Indicator	250	—	0/-5	—	—	Rp=2Meg Ω	—	—	—	—	For TV	—
6G-E7	IDH Double-Triode (Tuning Ind.)	8-16	6.3	0.3	250	—	N/A	—	Tuning Ind (2 Units)	250	0/-5.5 & 0/-22		—	—	Rp=1Meg Ω	—	—	—	—	Sharp/Remote C.O.	—
6G-H4	IDH Triode	8-17	6.3	0.2	44k	20	N/A	—	TV HV Shunt Regulator	25k	—	(-32)	1.0	—	—	—	2100	—	—	(Need care for X-Ray)	—
6G-H7	IDH Triode	8-17	6.3	0.2	45k	20	N/A	—	TV HV Shunt Regulator	20k	—	(-125)	1.5	—	—	—	1800	—	—	(Need care for X-Ray)	—
6G-K17	IDH Diode	8-18	6.3	1.3	4.5k	6	N/A	—	TV Damper	4.5k	175	—	—	—	—	—	—	—	—	Similar to 12G-K17	—
6G-R7	IDH Semi-Var. μ Pentode	8-04	6.3	0.35	—	—	—	—	Voltage Amp.	250	100	Rk=250 Ω	6.0	1.9	1000k	3600	—	—	—	—	—
6M-DE1	IDH Diode/Tuning Ind.	m7-13	6.3	0.15	200	—	N/A	—	Tuning Indicator	250	—	0/-5	—	—	Rp=2Meg Ω	—	—	—	—	For TV	—
6M-E2	IDH Triode (Tuning Ind.)	m7-14	6.3	0.3	180	—	N/A	—	Tuning Indicator	180	—	0/-6	—	—	Rp=1Meg Ω	—	—	—	—	—	—
6M-E4	IDH Triode (Tuning Ind.)	m7-15	6.3	0.2	300	—	N/A	—	Tuning Indicator	250	—	0/-3	—	—	Rp=1Meg Ω	—	—	—	—	Magic Finger	—
6M-E5	IDH Triode (Tuning Ind.)	m7-09	6.3	0.15	180	—	N/A	—	Tuning Indicator	180	—	0/-6	—	—	Rp=1Meg Ω	—	—	—	—	Similar to 6E5M	—
6M-E10	IDH Triode (Tuning Ind.)	m7-09	6.3	0.15	130	—	N/A	—	Tuning Indicator	130	—	0/-6	—	—	Rp=1Meg Ω	—	—	—	—	—	—
6M-H1	IDH Triode	m7-17	6.3	0.4	165	2.5	N/A	—	VHF Amp.	150	—	Rk=100 Ω	14.5	—	—	13000	46	—	—	—	—
6M-HH3	IDH Twin-Triode	m7-11	6.3	0.45	200	1.5	N/A	—	TV Freq. Converter	100	—	0	11	—	5.1k	7500	38	—	—	Similar to 5/9M-HH3	—
6M-L2	IDH Triode	m7-18	6.3	0.175	—	—	N/A	—	VHF Amp.	135	—	-4.5	14.0	—	3.6k	5000	18	—	—	—	—
6M-L3	IDH Triode	m7-19	6.3	0.175	150	2.2	N/A	—	UHF Amp.	90	—	Rk=280 Ω	15	—	—	1000	15	—	—	—	—
6M-P12	IDH Pentode	m7-10	6.3	0.45	250	8.5	250	2.5	Power Amp.	180	180	-6	28	5.0	—	5500	—	6k	1.8	Similar to 4/8/9M-P12	—
6M-P17	IDH Pentode	m7-10	6.3	0.5	250	8.5	250	2.5	Power Amp.	250	250	-8	32	5.5	90k	5200	—	7.6k	3.4	—	—
6M-P20	IDH Pentode	m7-10	6.3	0.6	275	10	275	2	Power Amp.	185	185	-6	42	9.0	27k	10500	—	4.0k	3.6	—	—
6M-R25	IDH Pentode	m7-20	6.3	0.3	330	1.7	330	1.1	Voltage Amp.	150	100	Rk=560 Ω	2.0	1.2	—	2300	—	—	—	Similar to 12M-R25	—
6M-R26	IDH Pentode	m7-20	6.3	0.3	330	1.7	330	1.1	Audio Mixing Amp.	330	330	Rk=560 Ω	1.9	1.1	—	2100	—	—	—	Similar to 12M-R26	—

Tube Type	Classification by Construction	Base Conn- ection	Filament/Cathode		Max. Rating				Service	Voltage			Current		Anode Res. Ohm	Gm μS	Amp. Factor (μ)	Load Res. Ohm	Power Output W	Note	Maker (Year)
			Voltage V	Current A	Anode		Screen Grid			Anode V	Screen V	Control V	Anode mA	Screen mA							
					V	W	V	W													
6N-H10	IDH Triode	S-14	6.3	0.12	250	0.5	N/A	—	UHF Amp.	100	—	Rk=1kΩ	0.8	—	44k	2700	100	—	—	Nuvistor	—
6R-A2	IDH Triode	m9-07	6.3	0.76	200	15	N/A	—	Power Amp.	150	—	-31	100	—	0.44k	8500	3.3	200Ω	≈4	For OTL Amp.	—
6R-A3	IDH Triode	m9-08	6.3	1.0	250	15	N/A	—	Series Regulator	100	—	-20	100	—	0.24k	12500	3	—	—	—	—
6R-A5	IDH Triode	m9-08	6.3	1.0	250	15	N/A	—	Series Regulator	100	—	-20	80	—	0.29k	11500	3.3	—	—	—	—
6R-A6	IDH Triode	m9-10	6.3	0.9	550	10	N/A	—	TV Vertical Output	250	—	-12	26	—	1.75k	8500	15	—	—	—	—
6R-A8	IDH Triode	m9-11	6.3	1.0	350	15	N/A	—	Audio Power Amp.	250	—	-19	55	—	0.9k	10500	9.7	2.5k	3.5	—	—
6R-A9	IDH Triode	m9-12	6.3	0.6	600	10	N/A	—	TV Vertical Output	250	—	-10.5	22	—	2.5k	6700	16.5	—	—	—	—
6R-AL1	IDH Duo-Triode	m9-17	6.3	0.86	330	1.5	N/A	—	Unit 1: TV Vert. Amp.	250	—	-11	5.5	—	8.75k	2000	17.5	—	—	Similar to 9R-AL1	—
					500	8	N/A	—	Unit 2: TV Vert. Output	250	—	-10.5	24	—	2.34k	7500	17.5	—	—	—	—
6R-AL2	IDH Duo-Triode	m9-17	6.3	0.9	600	1.5	N/A	—	Unit 1: TV Vert. Amp.	250	—	-11	5.5	—	8.75k	8750	17.5	—	—	Similar to 10R-AL2	—
					600	10	N/A	—	Unit 2: TV Vert. Output	250	—	-12	21	—	2.22k	2220	16	—	—	—	—
6R-B10	IDH Beam Power	m9-16	6.3	1.0	350	14	350	5	Power Amp.	250	250	-9	56	3.8	—	10200	—	2.4k	7.0	—	—
6R-B11	IDH Beam Power	m9-16	6.3	0.8	315	10	285	2	TV Vert. Output	200	200	-12.5	45	3.0	40k	7500	—	4k	4.5	Similar to 8R-B11	—
6R-B12	IDH Beam Power	m9-18	6.3	0.6	300	9	330	2.5	TV Horizontal Output	200	200	-14	45	—	—	—	—	—	3.5	Similar to 12R-B12	—
6R-DDP1	IDH Twin-Diode/Pentode	m9-20	6.3	0.75	330	5	—	—	Det. & Power Amp.	200	125	Rk=68Ω	25	7	75k	12500	—	—	—	—	—
6R-DHV1	IDH Diode/Triode/Var. μ Pentode	m9-13	6.3	0.48	300	0.5	N/A	—	Triode: Voltage Amp.	250	—	-2	1.2	—	62.5k	1600	100	—	—	Similar to 20R-DHV1	—
					300	3	125	0.4	Pentode: Voltage Amp.	250	100	-1	9.0	3.0	250k	3500	—	—	—	—	—
6R-DHV2	IDH Diode/Triode/Var. μ Pentode	m9-14	6.3	0.5	300	0.5	N/A	—	Triode: Amplifier	250	—	-2	1.2	—	—	1600	100	—	—	—	—
					300	3	125	0.65	Pentode: Amplifier	250	100	-3	9.0	3.0	—	1800	—	—	—	—	—
6R-E13	IDH Triode (Tuning Ind.)	m9-21	6.3	0.2	300	—	N/A	—	Tuning Indicator	250	—	0/-10	—	—	Rp=2MegΩ	—	—	—	—	—	—
6R-EE1	IDH Twin-Triode (Tuning Ind.)	m9-22	6.3	0.22	300	—	N/A	—	Twin-Tuning Indicator	250	—	0/-20	—	—	Rp=3MegΩ	—	—	—	—	—	—
6R-H2	IDH Triode	m9-19	6.3	0.35	180	—	N/A	—	Grounded-Grid Amp.	150	—	+20	28	—	—	27500	40	—	—	—	—
6R-HH1	IDH Twin-Triode	m9-03	6.3	0.4	200	2	N/A	—	Cascode Amp.	120	—	-0.7	15	—	—	13000	40	—	—	—	—
6R-HH2	IDH Twin-Triode	m9-03	6.3	0.4	150	2	N/A	—	Cascode Amp.	90	—	-1	8.5	—	—	8000	36	—	—	Sim. to 4/17R-HH2	—
6R-HH8	IDH Twin Semi-Var. μ Triode	m9-03	6.3	0.4	220	2.2	N/A	—	RF Amplifier	110	—	-1	16	—	—	16000	40	—	—	Similar to 4R-HH8	—
6R-HH9	IDH Twin-Triode	m9-03	6.3	0.4	165	2.2	N/A	—	RF Amplifier	90	—	0	16	—	—	16000	38	—	—	Similar to 4R-HH9	—
6R-HH15	IDH Twin-Triode	m9-03	6.3	0.365	165	1.7	N/A	—	RF Amplifier	90	—	Rk=143Ω	7	—	—	8000	44	—	—	Similar to 4R-HH15	—
6R-HP2	IDH Triode/Pentode	m9-26	6.3	0.78	250	1.0	N/A	—	Triode: Voltage Amp.	100	—	—	3.5	—	—	2500	70	—	—	Similar to 8/32R-HP2	—
					300	8	300	2	Pentode: Voltage Amp.	250	250	-6.7	30	7	—	8800	—	6k	3.8	—	—
6R-HP3	IDH Triode/Pentode	m9-31	6.3	0.75	330	2	N/A	—	Triode: Voltage Amp.	125	—	-1	13.5	—	—	6400	33	—	—	Similar to 8/10R-HP3	—
					330	5	330	1.1	Pentode: Voltage Amp.	200	125	—	25	7	75k	12500	—	—	—	—	—
6R-HV1	IDH Triode/Var. μ Pentode	m9-24	6.3	0.5	300	0.5	N/A	—	Triode: Voltage Amp.	250	—	-2	1.2	—	62.5k	1600	100	—	—	—	—
					300	3	125	0.4	Pentode: Voltage Amp.	250	100	-1	9.0	3.0	250k	3500	—	—	—	—	—
6R-K19	IDH Diode	m9-27	6.3	1.2	5.5k	6.5	N/A	—	TV Damper	6k	—	—	220	—	—	—	—	—	—	Similar to 12R-K19	—
6R-P10	IDH Pentode	m9-28	6.3	0.5	200	6.5	170	1.7	Power Amp.	150	150	Rk=60Ω	36	8.0	60k	13500	—	1.8k	1.0	—	—
6R-P15	IDH Pentode	m9-25	6.3	0.75	300	13.5	300	2.5	Power Amp.	250	250	-8	54	6.8	32k	11000	—	4.0k	6.8	—	—
6R-P22	IDH Pentode	m9-32	6.3	0.65	300	7.5	300	1.7	Power Amp.	250	150	-3	22	8.5	55k	8500	—	—	—	—	—
6R-R8	IDH Pentode	m9-23	6.3	0.3	180	3.0	180	0.7	Wide Band Amp.	150	150	Rk=110Ω	13	4.5	—	12500	—	—	—	Similar to 6R-R8C	—
6R-R8C	IDH Pentode	m9-30	6.3	0.3	200	3.3	165	0.85	Wide Band Amp.	150	150	Rk=110Ω	13	4.5	—	12500	—	—	—	Similar to 6R-R8	—
6R-R21	IDH Tetrode	m9-29	6.3	0.3	190	3	160	0.75	Wide Band Amp.	150	150	0	13.5	3.5	60k	15000	—	—	—	—	—
6W-C5	IDH Heptode	7-02	6.3	0.35	300	1.0	3000	1.0	Freq. Converter	250	100	Ec3=0	3.5	Ig2/4=8.5	1000k	Gc=450	Ig1=0.5mA		Toshiba (Sim. to 12W-C5)		—
6Z-1V	IDH Pentode	6-10	6.3	0.3	300	0.75	125	0.1	Voltage Amp.	250	100	-3	2.0	0.5	1000k	1250	—	—	—	Similar to 6C6	—
6Z-3V	IDH Pentode	6-10	6.3	0.3	300	0.75	125	0.1	Voltage Amp.	250	100	-3	2.0	0.5	1000k	1225	—	—	—	Similar to 6C6	—
6Z-AM1	IDH Pentode	6-10	6.3	0.3	300	0.75	125	0.1	Voltage Amp.	250	100	-3	2.0	0.5	1000k	1225	—	—	—	Similar to 6C6	—
6Z-DH3	IDH Diode/Triode	6-05	6.3	0.3	180	—	N/A	—	Det. & Amp.	180	—	-2	0.9	—	91k	1100	100	—	—	Similar to 6Z-DH3A	—
6Z-DH3A	IDH Diode/Triode	6-06	6.3	0.3	300	0.5	N/A	—	Det. & Amp.	250	—	-2	0.9	—	91k	1100	100	—	—	—	—
6Z-E1	IDH Triode (Tuning Indicator)	6-11	6.3	0.3	250	—	N/A	—	Tuning Indicator	250	—	0/-7.5	—	—	Rp=1MegΩ	—	—	—	—	Similar to 6E5	—
6Z-E3	IDH Triode (Tuning Indicator)	6-11	6.3	0.3	250	—	N/A	—	Tuning Indicator	250	—	0/-7.5	—	—	Rp=1MegΩ	—	—	—	—	Similar to 6E5	—

Tube Type	Classification by Construction	Base Conn- ection	Filament/Cathode		Max. Rating				Service	Voltage			Current		Anode Res. Ohm	Gm μS	Amp. Factor (μ)	Load Res. Ohm	Power Output W	Note	Maker (Year)
			Voltage V	Current A	Anode		Screen Grid			Anode V	Screen V	Control V	Anode mA	Screen mA							
					V	W	V	W													
6Z-E11	IDH Triode (Tuning Indicator)	6-11	6.3	0.15	220	—	N/A	—	Tuning Indicator	200	—	0/-5.5	—	—	Rp=5Meg Ω	—	—	—	—	—	—
6Z-P1	IDH Pentode	6-01	6.3	0.35	250	4.0	180	0.6	Power Amp.	250	180	-10	12	2.5	150k	1800	—	12k	1.5	—	—
7M-P18	IDH Pentode	m7-16	7.5	0.6	250	7.5	200	2.0	Power Amp.	200	180	-5	35	5.5	24k	11000	—	5k	3.2	Similar to 7M-P18A	—
7M-P18A	IDH Pentode	m7-16	7.5	0.6	275	8.25	220	2.2	Power Amp.	200	180	-5	35	5.5	24k	11000	—	5k	3.2	Similar to 7M-P18	—
7M-R29	IDH Pentode	m7-21	6.75	0.14	330	3.0	300	0.5	RF Amplifier	250	150	-1	7.4	2.9	1400k	4600	—	—	—	—	—
7N-R30	IDH Tetrode	S-15	6.75	0.14	330	2.2	250	—	Voltage Amp.	125	50	Rk=68 Ω	10	2.7	200k	10600	—	—	—	—	—
7R-P22	IDH Pentode	m9-32	6.7	0.6	300	7.5	300	1.7	Color Signal Recovery	250	150	-3	—	—	55k	8500	—	—	—	Similar to 9R-P22	—
8M-B20	IDH Beam Power	m7-22	8.0	0.6	275	7.5	275	2.0	TV Vertical Output	200	200	-22.5	37	1.6	40k	5600	—	—	—	—	—
8M-P12	IDH Pentode	m7-10	8.5	0.3	250	8.5	250	2.5	Power Amp.	180	180	-6	28	5.0	—	5500	—	6k	1.8	Similar to 6/8/9M-P12	—
8R-A7	IDH Triode	m9-34	8.0	0.6	275	10	N/A	—	TV Vertical Output	150	—	-17.5	42	—	—	6600	6.0	—	—	—	—
8R-B11	IDH Beam Power	m9-16	8.5	0.6	315	10	285	2.0	TV Vertical Output	200	200	-12.5	45	3.0	40k	7500	—	—	4.5	Similar to 6R-B11	—
8R-HP3	IDH Triode/Pentode	m9-31	8.0	0.6	330	2.0	N/A	—	Triode: Sync. Separator	125	—	-1	13.5	—	—	6400	33	—	—	Similar to 6/10R-HP3	—
					330	5.0	330	1.1	Pentode: Video Amp.	200	125	0	25	7	75k	12500	—	—	—		
8R-LP1	IDH Triode/Pentode	m9-35	8.0	0.6	250	1.0	N/A	—	Triode: Vertical Amp.	220	—	-7.7	10	—	—	3400	—	—	—	—	—
					250	8	250	2	Pentode: Vert. Output	150	150	-10	50	10.5	—	7900	—	3k	3.5		
9M-HH3	IDH Twin-Triode	m7-11	9.5	0.3	200	1.5	N/A	—	TV Freq. Converter	150	—	0	10.5	—	5.1k	7500	38	—	—	Similar to 5/6M-HH3	—
9M-P12	IDH Pentode	m7-10	9.4	0.3	250	8.5	250	2.5	Power Amp.	180	180	-6	28	5.0	—	5500	—	6k	1.8	Similar to 4/6/8M-P12	—
9R-A6	IDH Triode	m9-10	9.5	0.6	550	10	N/A	—	TV Vertical Output	250	—	-12	26	—	1.75k	8500	15	—	—	Similar to 6R-A6	—
9R-AL1	IDH Duo-Triode	m9-17	9.0	0.6	330	1.5	N/A	—	TV Vertical Osc.	250	—	-11	5.5	—	8.75k	2000	17.5	—	—	Similar to 6R-AL1	—
					500	8	N/A	—	TV Vertical Output	250	—	-10.5	24	—	2.34k	7500	17.5	—	—		
9R-P22	IDH Pentode	m9-32	9.0	0.45	300	7.5	300	1.7	Color Signal Recovery	250	150	-3	22	8.5	55k	8500	—	—	—	Similar to 7R-P22	—
10R-AL2	IDH Duo-Triode	m9-36	9.7	0.6	600	1.5	N/A	—	Unit 1: TV Vertical Osc.	250	—	-11	5.5	—	8.75k	2000	17.5	—	—	Similar to 6R-AL2	—
					600	10	N/A	—	Unit 2: TV Vertical Output	250	—	-12	21	—	2.22k	7200	16	—	—		
10R-HP3	IDH Triode/Pentode	m9-31	10.5	0.45	330	2	N/A	—	Triode: Sync. Separator	125	—	-1	13.5	—	—	6400	33	—	—	Similar to 6/8R-HP3	—
					330	5	330	1.1	Pentode: Video Amp.	200	125	0	25	7	75k	12500	—	—	—	—	
11C-HHP1	IDH Duo-Triode/Pentode	S-16	11.0	0.6	330	1.5	N/A	—	High-μ Triode: Amp.	200	—	-2.0	7	—	12.4k	5500	—	—	—	—	—
					330	2	N/A	—	Medium-μ Triode: Amp.	200	—	Rk=220 Ω	9.2	—	9.4k	4400	—	—	—		
					330	4	330	1.1	Pentode: Amp.	135	135	Rk=100 Ω	17	4	45k	10400	—	—	—		
12AK	IDH Triode	4-11	5.0	0.4	—	—	N/A	—	Power Amp.	180	—	-15	8.5	—	4.15	1800	7.5	10k	0.27	IDH Version of 12A	—
12B-B14	IDH Beam Power	S-09	12.6	0.6	700	13	250	5	TV Horizontal Output.	210	—	—	125	25	—	—	—	—	—	Similar to 6/17/25B-B14	—
12G-B3	IDH Beam Power	8-12	12.6	0.6	550	10	200	5	TV Horizontal Output.	210	—	—	125	25	—	—	—	—	—	Similar to 12G-B3A	—
12G-B3A	IDH Beam Power	8-12	12.6	0.6	550	13	200	5	TV Horizontal Output.	210	—	—	100	25	—	—	—	—	—	Similar to 6/17G-B3A	—
12G-B6	IDH Beam Power	8-12	12.6	0.6	500	11	200	2.5	TV Horizontal Output.	250	—	—	90	7	—	—	—	—	—	Similar to 6/25G-B6	—
12G-B7	IDH Beam Power	8-13	12.6	0.6	700	15	250	5	TV Horizontal Output.	100	100	-7.7	100	7	5.3k	14000	—	—	—	Similar to 6G-B7	—
12G-C4	IDH Triode/Hexode	8-22	12.6	0.36	—	—	N/A	—	Triode: Local Osc	—	—	-6	4	—	—	—	—	—	—	N-Series	JRC
					—	—	—	—	Hexode: Mixer	250	100	-2	4	1.5	—	Gc=400	—	—	—		
12G-C5	IDH Heptode	8-19	12.0	0.175	300	1.0	100	1.0	Freq. Converter	250	100	—	3.5	Ig2/4=8.5	1000k	12500	—	—	—	Similar to 12SA7GT	—
12G-DH3	IDH Twin-Diode/Triode	8-20	12.0	0.175	300	0.5	N/A	—	Voltage Amp.	250	—	-2	0.9	—	91k	1100	100	—	—	Similar to 6Z-DH3/A	—
12G-DH4	IDH Twin-Diode/Triode	8-25	12.6	0.22	—	—	N/A	—	Voltage Amp.	250	—	-2	1.5	—	—	1500	90	—	—	N-Series	JRC
12G-K10	IDH Twin-Diode	8-28	12.6	0.36	—	—	N/A	—	FW Rectifier	350 Max.	—	—	7.0Max.	—	—	—	—	—	—	N-Series	JRC
12G-K17	IDH Diode	8-18	12.6	0.6	4.5k	6	N/A	—	HV Rect. & TV Damper	4.5k	—	—	175	—	—	—	—	—	—	Similar to 6G-K17	—
12G-P7	IDH Pentode	8-27	12.6	0.36	—	—	—	—	Power Amp.	250	250	-15	35	8	60k	3000	—	6k	3	N-Series	JRC
12G-R4	IDH Pentode	8-26	12.6	0.22	—	—	—	—	Det. & Amp.	250	100	-2	2.0	0.6	1900k	1600	—	—	—	N-Series	JRC
12G-R6	IDH Pentode	8-05	12.0	0.175	—	—	—	—	Voltage Amp.	250	100	Rk=330 Ω	5.0	1.2	—	2000	—	—	—	—	—
12G-V3	IDH Var. μ Pentode	8-26	12.6	0.22	—	—	—	—	RF Amplifier	250	100	-2	4.2	0.6	1500k	1600	—	—	—	N-Series	JRC
12M-R25	IDH Pentode	m7-20	12.6	0.15	330	1.7	330	1.1	LF Amplifier	150	100	Rk=560 Ω	2.0	1.2	—	2300	—	—	—	Similar to 6M-R25	—
12M-R26	IDH Pentode	m7-20	12.6	0.15	330	1.7	330	1.1	LF Mixing Amp.	330	330	Rk=560 Ω	1.9	1.1	—	2100	—	—	—	Similar to 6M-R26	—

Tube Type	Classification by Construction	Base Conn- ection	Filament/Cathode		Max. Rating				Service	Voltage			Current		Anode Res. Ohm	Gm μS	Amp. Factor (μ)	Load Res. Ohm	Power Output W	Note	Maker (Year)
			Voltage V	Current A	Anode		Screen Grid			Anode V	Screen V	Control V	Anode mA	Screen mA							
					V	W	V	W													
12R-B12	IDH Beam Power	m9-18	12.6	0.38	300	9	330	2.5	TV Horizontal Output	200	200	-14	45	4.2	—	—	—	—	3.5	Similar to 6R-B12	
12R-K19	IDH Diode	m9-27	12.6	0.6	5.5k	6.5	N/A	—	TV Damper	5.5k	—	—	220	—	—	—	—	—	—	Similar to 6R-K19	
12R-K21	IDH Diode	m9-27	12.6	0.38	3.5k	—	N/A	—	TV Damper	3.5k	—	—	165	—	—	—	—	—	—	—	—
12R-LL3	IDH Twin-Triode	m9-37	6.3/12.6	0.45/0.225	275	2.8	N/A	—	Voltage Amp.	150	—	Rk=230 Ω	10	—	5.5k	5500	30	—	—	—	—
12W-C1	IDH Heptode	7-01	12.0	0.15	—	—	—	—	Freq. Converter	180	180	Eg4=-1.5	2.2	1.5	—	Gc=630	Ig1=0.6mA, Eg3=75V, Ig3=2.5mA			Toshiba (1940)	
12W-C5	IDH Heptode	7-02	12.0	0.175	300	1.0	300	1.0	Freq. Converter	250	100	Ec3=0	3.5	Ig2/4=8.5	1000k	Gc=450	Ig1=0.5mA		Similar to 6W-C5	—	
12X-K1	IDH Diode	4-02	12.0	0.15	—	—	N/A	—	Half-Wave Rectifier	125	—	—	30	—	—	—	—	—	—	—	TEC/Toshiba (1939)
12Y-L1	IDH Triode	5-01	12.0	0.15	—	—	N/A	—	Voltage Amp.	180	—	-0.7	4.5	—	11k	1600	18	—	—	—	Toshiba (1940)
12Y-R1	IDH Pentode	5-08	12.0	0.15	300	0.75	125	0.1	Voltage Amp.	250	100	-3	2.0	0.5	1000k	1225	—	—	—	—	TEC/Toshiba (1939)
12Y-V1	IDH Var. μ Pentode	5-08	12.0	0.15	300	2.25	125	0.25	RF Amp.	250	100	-3	8.2	2.0	800k	1600	—	—	—	—	TEC/Toshiba (1939)
12Y-V1A	IDH Var. μ Pentode	5-08	12.0	0.175	300	2.25	125	0.25	RF Amp.	250	100	-3	8.2	2.0	800k	1600	—	—	—	—	—
12Z-DH1	IDH Twin-Diode/Triode	6-13	12.0	0.15	—	—	N/A	—	Voltage Amp.	180	—	-2.5	2.8	—	30k	1200	35	—	—	—	TEC/Toshiba (1939)
12Z-DH3A	IDH Diode/Triode	6-06	12.0	0.175	300	0.5	N/A	—	Voltage Amp.	250	—	-2	0.9	—	91k	1100	100	—	—	—	Toshiba
12Z-E6	IDH Triode (Tuning Ind.)	6-11	12.6	0.15	250	—	N/A	—	Tuning Indicator	250	—	0/-7	—	—	Rp=1Meg Ω	—	—	—	—	—	—
12Z-E8	IDH Triode (Tuning Ind.)	6-11	12.6	0.15	120	—	N/A	—	Tuning Indicator	110	—	0/-4.5	—	—	Rp=1Meg Ω	—	—	—	—	—	—
12Z-E9	IDH Triode (Tuning Ind.)	6-11	12.6	0.15	120	—	N/A	—	Tuning Indicator	110	—	0/-4.5	—	—	Rp=1Meg Ω	—	—	—	—	ame as 12Z-E8 exc.2-Eye	—
12Z-P1	IDH Pentode	6-01	12.0	0.15	250	4	180	0.6	Power Amp.	180	180	-10	14	2.5	130k	1750	—	12k	1.0	Similar to 6Z-P1	—
12Z-P1A	IDH Pentode	6-01	12.0	0.175	250	4	180	0.6	Power Amp.	180	180	-10	14	2.5	130k	1750	—	12k	1.0	Similar to 6Z-P1	—
15M-P19	IDH Pentode	m7-23	15.0	0.3	165	8.25	165	1.65	Power Amp.	100	100	-6.7	43	3	22k	9200	—	2.4k	2.1	—	—
16G-B16	IDH Beam Power	8-31	16.0	0.6	900	24	175	5.0	TV Horizontal Output	175	125	-14	110	5.0	9k	15000	—	—	—	—	—
17G-B3	IDH Beam Power	8-12	16.8	0.45	550	13	200	5	TV Horizontal Output	210	—	—	125	25	—	—	—	—	—	Similar to 6/12G-B3(A)	—
17R-HH2	IDH Twin-Triode	m9-03	17.0	0.15	150	2.0	N/A	—	RF Amp.	90	—	-1	8.5	—	4.5k	8000	36	—	—	—	—
19M-R10	IDH Pentode	m7-24	19.0	0.1	275	2.2	165	0.44	Voltage Amp.	120	120	Rk=18 Ω	9.5	—	260k	6200	—	—	—	—	—
19R-LL1	IDH Twin-Triode	m9-37	19.0	0.15	275	2.8	N/A	—	Voltage Amp.	120	—	Rk=180 Ω	8.5	—	5.5k	5500	30	—	—	—	—
19R-P11	IDH Pentode	m9-38	19.0	0.2	275	8.2	165	1.9	Power Amp.	120	120	-7.0	35	7.5	25k	5500	—	—	—	—	—
20G-B19	IDH Beam Power	8-21	20.0	0.3	600	11	200	2.5	TV Horizontal Output	250	150	-22.5	65	2.1	18k	6000	—	—	—	Similar to 6BQ6GTB	—
20R-DHV1	IDH Diode/Triode/Var. μ Pentode	m9-39	20.0	0.15	300	0.5	N/A	—	Triode: Voltage Amp.	250	—	-2	1.2	—	62.5k	1600	100	—	—	Similar to 6R-DHV1	—
					300	3.0	125	0.4	Pentode: Voltage Amp.	250	100	-1	9.0	3.0	250k	3500	—	—	—		
24Z-K2	IDH Twin-Diode	6-14	24.0	0.15	—	—	N/A	—	Rectifier (Voltage Doubler)	125	—	—	30	—	—	—	—	—	—	—	TEC/Toshiba (1939)
25B-B14	IDH Beam Power	S-09	25.0	0.3	700	13	250	5	TV Horizontal Output	210	—	—	125	—	—	—	—	—	—	Sim. to 6/12/175B-B14	—
25G-B6	IDH Beam Power	8-12	25.0	0.3	500	11	200	2.5	TV Horizontal Output	250	—	—	90	—	—	—	—	—	—	Sim. to 6/12B-B6	—
25M-K15	IDH Diode	m7-25	25.0	0.15	330	70	N/A	—	HW Rectifier	235 Max.	—	—	100 Max.	—	—	—	—	—	—	—	—
25M-P20	IDH Pentode	m7-10	25.0	0.15	275	10	275	2	Power Amp.	185	185	-6	4.2	9.0	27k	10500	—	4.0k	3.6	—	—
28R-HV2	IDH Triode/Semi-Var. μ Pentode	m9-40	28.0	0.1	300	0.5	N/A	—	Triode: Voltage Amp.	250	—	-2	1.2	—	62.5k	1600	100	—	—	—	—
					300	3.0	125	0.4	Pentode: Voltage Amp.	250	100	-1	9.0	3.0	300k	3500	—	—	—		
30G-K5	IDH Diode	8-23	30.0	0.175	570 (PIV)	—	N/A	—	HW Rectifier	200	—	—	70	—	—	—	—	—	—	—	—
30G-P9	IDH Pentode	8-24	30.0	0.175	—	—	—	—	Power Amp.	180	90	-7	30	5.0	40k	4000	—	6k	1.5	—	—

Tube Type	Classification by Construction	Base Conn- ection	Filament/Cathode		Max. Rating				Service	Voltage			Current		Anode Res. Ohm	Gm μS	Amp. Factor μ	Load Res. Ohm	Power Output W	Note	Maker (Year)
			Voltage V	Current A	Anode		Screen Grid			Anode V	Screen V	Control V	Anode mA	Screen mA							
					V	W	V	W													
30M-P23	IDH Pentode	m7-26	30.0	0.15	150	7.5	150	1.5	Power Amp.	110	110	-7.5	50	3.3	25k	10000	—	2.0k	2.6	—	—
30M-P27	IDH Pentode	m7-26	30.0	0.15	165	10	165	1.65	Power Amp.	130	110	-9.0	64	2.5	20k	10000	—	1.6k	4.0	—	—
32R-HP2	IDH Triode/Pentode	m9-26	32.0	0.15	250	1.0	N/A	—	Triode: Voltage Amp.	100	—	—	3.5	—	—	2500	70	—	—	Similar to 6/8P-HP2	—
					300	8	300	2	Pentode: Voltage Amp.	250	250	-6.7	30	7	—	8800	—	6k	3.8		
35M-P14	IDH Pentode	m7-26	35.0	0.15	150	7.5	150	1.5	Power Amp.	135	100	-6.7	45	2.8	—	9300	—	3.0k	2.7	—	—
36Z-K12	IDH Twin-Diode	6-14	36.0	0.175	—	—	N/A	—	Rectifier (Voltage Doubler)	125 Max.	—	—	45 Max.	—	—	—	—	—	—	—	—
45M-P21	IDH Pentode	m7-26	45.0	0.1	150	7.5	150	1.5	Power Amp.	100	100	-6.7	43	11	22k	9200	—	2.4k	2.1	—	—
50R-P25	IDH Pentode	m9-42	50.0	0.15	150	11	120	2	Power Amp.	120	120	-8.0	80	6.5	—	14500	—	1.5k	4.3	—	—
50R-P28	IDH Pentode	m9-43	50.0	0.15	265	18	265	2	Power Amp.	220	220	Rk=120 Ω	76	8	15k	11000	—	2.5k	8	—	—
80BK	IDH Diode	4-12	5.0	0.7	350	—	N/A	—	HW Rectifier	350 Max.	—	—	74 Max.	—	—	—	—	—	—	—	—
80HK	IDH Diode	4-12	5.0	0.6	400	—	N/A	—	HW Rectifier	350 Max.	—	—	65 Max.	—	—	—	—	—	—	—	—
80K	IDH Twin- Diode	4-13	5.0	2.0	400	—	N/A	—	FW Rectifier	350 Max.	—	—	125 Max.	—	—	—	—	—	—	Similar to 5CG4	—
3040	Mini DH Pentode	S-18	0.625	0.01	45	0.015	45	0.005	Voltage Amp.	15	15	-0.75	0.06	0.06	1.2Meg	90	—	—	—	Sub-MT	—
3041	Mini DH Pentode	S-18	1.25	0.01	45	0.025	45	0.006	Power Amp.	22.5	22.5	-1	0.2	0.06	—	300	—	100k	0.0016	Sub-MT	—
6240G	IDH Twin Triode	m9-03	6.3	0.6	800	3	N/A	—	Voltage Amp.	250	—	-5	7	—	—	3500	35	—	—	9-Pin MT	Luxman/NEC
8045G	IDH Triode	S-22	6.3	2.5	550	45	N/A	—	Power Amp.	200	—	-30	120	—	0.4k	11000	4.5	—	—	Octal	Luxman/NEC

Notes: 1) Compiled by the editor from various Japanese sources (Main Source: All Japan Tube Manual by Radio Gijutsu Sha, 1974)
2) Form of these lists are similar to “Essential Characteristics” by GE (1973)
3) Maker/Year Column is mainly for very early tubes. Later types were manufactured by many companies.
4) In the Classification column, “DH” means direct-heated cathode (filament) type, and “IDH” means indirect-heated cathode type.
5) Tubes of Japanese original type and ones bearing Japanese own type number are listed here. U.S. and European types are basically not listed.