

(005L) Transmuting Triode by Japan Radio (Nihon Musen)																		
p.p. 283, Chapter 16 History of Vacuum Tube (I) as of 1940																		
Type	Clas	Standard Oscillator Operation				Filament			Static Operation Characteristics						Dimension		Note	
		Anode Vtg./Cur.		Input W	Output W				Anode V	Grid V	Anode mA	Anode Diss. W	Amp. Factor	Gm mA/V	Length mm	Max. Diam. mm		
		V	mA			M	V	A										
S 30M	—	—	—	50	—	—	5.8	2.1	500-1500	—	50	30	55	0.7	137	52	MT5, UM152	
S 40T	II	3000	27	80	50	W	10	2	3000	-50	19	40	47	1.0	200	52		
S 45T	II	3000	33	100	60	W	12	2.5	3000	-40	16	50	50	1.2	220	52		
S 50S	—	—	—	30-60	—	—	9	4.2	500-1000	—	33	50	38.5	1.1	200	45		
S 60M	—	—	—	75	—	—	5.8	2.1	1000-2000	—	33-50	60	80	0.5	165	75		
S 65T	II	2000	75	150	85	W	12	3.4	2000	-10	30	70	50	1.25	220	52	MT3, UM153	
S 80T II	II	3000	77	230	150	W	10	4.5	3000	-20	23	80	52	1.0	265	60		
S 80T III	II	3000	77	230	130	W	10	4.5	3000	-20	23	80	52	1.0	245	60	For HF, VHF	
S 100	II	3000	100	300	200	W	10	6	3000	0	35	100	67	1.0	220	100	For HF, VHF	
S 100S	II	2000	100	200	100	W	10	6	2000	-20	28	100	33	1.3	230	70		
S 100T	II	3000	80	240	140	W	12	4.5	3000	-20	25	100	60	1.5	255	60		
S 150M	II	8000	62	500	300	W	10	6	8000	+30	28	200	450	0.8	210	100		
S 180T	II	4000	125	500	350	W	16	8	4000	-40	40	180	56	2.1	325	90		
S 200T	II	4000	175	700	500	W	16	8	4000	-30	52	200	75	2.8	325	90	For HF, VHF	
S 200	II	6000	84	500	370	W	13.5	6	6000	0	35	200	143	1.37	260	120		
S 200S	II	3000	150	450	300	W	12	6	3000	-20	58	200	36	1.5	250	90		
S 250S	II	4000	125	500	330	W	12	6	4000	+10	35	250	125	1.15	250	120		
S 250T	II	2000	250	500	350	W	15	10	2000	0	120	250	60	2.4	320	90		
S 300	II	6000	167	1000	600	W	14	10	6000	+10	50	400	170	1.5	330	135	For HF, VHF For Modulator	
S 300M	II	10000	80	800	500	W	12	6	10000	-20	26	400	165	1.1	260	120		
S 300MS	II	4000	175	700	400	W	12	6	10000	-20	25	400	160	1.6	250	120		
S 300MB	II	10000	90	900	600	W	12	6	10000	-100	40	400	65	1.0	250	120		
S 500M	II	10000	150	1500	1100	W	15	10	10000	-10	43	600	175	1.25	320	150		
S 500MS	II	4000	250	1000	600	W	13	16	4000	+30	75	500	200	3.0	360	160	For HF, VHF	
S 500S	II	4000	250	1000	600	W	13	16	4000	+30	65	500	175	2.0	350	120	For HF, VHF	
S 600M	II	10000	350	3500	2500	W	17	15	10000	+30	97	1500	220	1.7	420	190	For HF, VHF	
S 800G	II	4000	375	1500	1900	W	16	23.5	4000	-10	75	700	63	3.0	420	190		
S 1000M	II	10000	300	3000	2200	W	12	24	10000	-80	65	1000	70	1.4	360	170		
S 1000Mc	II	10000	300	3000	2200	W	14	24	10000	-80	65	1000	70	1.4	450	180		
S 1000Sg	II	6000	500	3000	2200	W	22	25	6000	+10	150	1000	56	2.8	100	152		
RV24V II	III	—	—	—	—	W	13.8	4.0	6440	-25	100	110	7	3.0	235	65	For Amplifier	
RV 230	III	—	—	—	—	W	21.5	12	1000	-60	200	300	7.7	5.0	385	95	For Amplifier	
RV330	III	—	—	—	—	Oi	16	5.5	21200	-150	430	500	6.0	16.0	430	120	For Amplifier	
RS 31g	II	1600	70	112	65	W	10	4.5	1600	-20	30	75	33	1.3	210	60	For UHF Oscillator	
RS 282	II	1000	180	180	100	Oi	8	1.6	1000	-40	100	100	12.5	5.5	245	60		
RS 53II	II	10000	370	3700	2500	W	16.5	16.5	10000	+20	130	1500	333	4.0	605	185		
U 130N	II	300	167	50	25	T	2	6.0	300	-40	90	25	5.0	2.0	85	70		
U 051X	II	300	33	10	5	Od	2.5	1.1	300	-7.5	32	10	14	2.0	132	50		
U 052X	II	300	33	10	5	Oi	6.3	0.8	300	-15	35	10	9	2.0	100	42	For UHF Oscillator	
U 143X	II	300	167	50	25	T	2.0	6.0	300	-25	55	35	5	2.0	120	40	For UHF Oscillator	
U 231X	II	750	266	200	100	T	9.0	3.25	800	-20	95	100	15	5.0	175	50	For UHF Oscillator	
U 231Ng	II	3000	200	600	300	W	11.0	9.0	3000	-90	105	300	24	4.2	205	60	For UHF Oscillator	
U 233Tg	II	3000	200	600	300	W	11.0	9.0	3000	-90	105	300	24	4.2	210	60	For UHF Oscillator	
U 231Tg	II	3000	233	700	350	W	22	8.0	3000	-25	113	350	50	4.0	320	90	For UHF Oscillator	
U 242Tg	II	3000	400	1200	500	W	22	12.5	3000	-20	105	500	33	5.0	435	145	For UHF Oscillator	
U 259Tg	II	3000	400	1200	500	W	23	13.5	3000	-45	140	500	33	5.0	355	90	RS 329g	
U 280N	II	4000	450	1800	800	W	22	17.0	4000	-30	170	800	50	6.0	380	150	For UHF Oscillator	
U 310N	II	4000	750	3000	1000	W	22	17.0	3000	0	250	1000	40	6.0	380	120	For UHF Oscillator	
U 320T	II	4000	1000	4000	1500	W	20	24	4000			1500	33	8.0	470	150	For UHF Oscillator	
U 330T	II	5000	1200	6000	2500	W	22	24	5000	-40	410	2500	50	10.0	550	170	For UHF Oscillator	
UX 302A	II	400	60	24	8	T	7.5	1.25	400	-20	40	15	8	1.6	134	55	UX 202A	
UV 303	II	1000	150	150	75	W	10	6.5	1000	-20	84	100	15	2.9	187	52	UV 203	
UV 303A	II	1000	125	125	75	T	10	3.25	1000	-20	60	75	23	3.5	187	52	UV 203A	
UV 304	II	2000	250	500	350	W	11	15	2000	-20	155	250	28	4.3	350	100	UV 204	
UV 304A	II	2000	250	500	350	T	11	3.85	2000	-40	125	200	24	4.0	360	100	UV 204A	
SN 304	II	2000	200	400	250	W	11	15	2000	-20	155	250	28	4.3	310	100	SN 204	
SN 304A	II	2000	150	300	200	T	11	3.85	2000	-40	126	200	24	4.0	310	100	SN 204A	
UN 305A	II	2500	600	1500	1000	T	11	8	2000	-100	250	600	13	7.5	370	140	UN 205A	
SV 305A	II	2000	675	1350	800	T	11	8	2000	-100	250	600	13	7.5	480	140	SV 205A	
UF 310B	II	1000	30	30	8	T	6	0.5	1000	-70	26	25	11	1.2	173	53	UF 210B	
UV 311A	II	1000	125	125	75	T	10	3.25	1000	-50	88	75	12	4.0	187	52	UV 211A	
UV 753	II	2000	250	500	350	W	11	15	2000	-20	155	250	28	4.3	360	100	Anti-Vib. of UV 304	
UV 753A	II	2000	250	500	350	T	11	3.85	2000	-40	125	200	24	4.0	360	100	Anti-Vib. of UV 304A	
SN 753	II	2000	225	450	300	W	11	15	2000	-20	155	250	28	4.3	310	100	Anti-Vib. of SN 304	
SN 753A	II	2000	175	350	250	T	11	3.85	2000	-40	125	200	24	4.0	310	100	Anti-Vib. of SN 304A	
UV 949	II	2000	400	800	500	T	11	5	2000	-70	140	400	22	6.3	360	102	UV 849	
SX 952	II	2000	125	250	125	T	10	3.25	2000	-80	105	200	12	1.25	210	99	SX-852	
SV 953A	II	3000	350	1050	750	T	11	10	3000	-100	168	600	15	2.5	435	175	SV 853A	

Notes:
II Transmmiting Tube
III Amplifier Tube

W Pure Tungsten
T Thoriated Tungsten
Od Oxide Coated Direct Heating
Oi Oxide Coated Indirect Heating