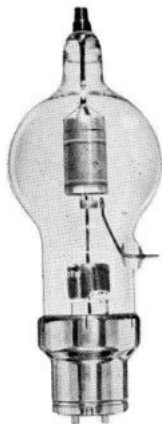
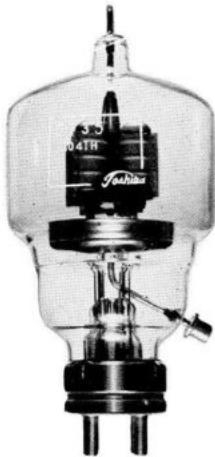




2C39A



5T21



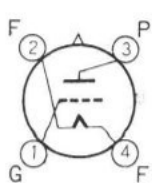
5T35



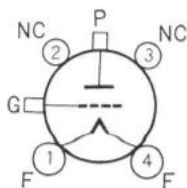
7T40

Type	Cathode			Dimensions		Base number or terminal	Mutual conductance (mμ) (Plate current (A))	Amplification	Static capacity between plate and grid (pF)
	Classification	Voltage (V)	Current (A)	Length (mm)	Max. Dia. (mm)				
UV-845	FT	10.0	3.25	170	52	D25L	3.0 (0.075)	5	14.5
3T12	FT	10.0	4.25	190	65	D16S	3.0 (0.08)	20	2.8
2C39A	HO	6.3	1.0	66	32	—	22 (0.07)	100	1.95
4T16	FT	5.0	6.3	190	80	A 9S D16P	2.9 (0.2)	14	2.0
4T17	FT	5.0	6.3	190	80	A 9S D16P	4.5 (0.2)	38	2.0
5T20	FT	5.0	10.5	250	96	A 9S D25L	1.7 (0.1)	14	3.0
5T21	FT	5.0	10.5	250	96	A 9S D25L	3.5 (0.1)	36	2.6
5T24	FT	5.0 10.0	25.0 12.5	190	89	A 9S D27S	16.7 (1.0)	12	8.6
5T35	FT	5.0 10.0	25.0 12.5	190	89	A 9S D27S	16.7 (1.0)	20	10.2
5T25	FT	5.0	10.5	250	96	A 9S D25L	1.7 (0.1)	14	3.0
5T30	FT	7.5	12.0	310	127	A14S D25L	3.5 (0.15)	18	4.5
5T31	FT	7.5	12.0	310	127	A14S D25L	4.4 (0.15)	38	5.0
5T32	FT	7.5	12.0	330	127	D25P	4.0 (0.18)	18	5.5
☆6T13	FT	12.0	10.0	325	150	A30S B35S	5.0 (0.17)	29	6.3
☆SN-205C	FT	11.0	12.0	380	140	—	7.5 (0.25)	14	34
6T40	FT	5.0	32.5	235	130		3.3 (0.12)	21	5.1
6T35	FT	7.5	21.0	420	175	A14S D53S	3.5 (0.2)	15	6.0
6T50	FT	6.3	32.5	251	150		5.1 (0.19)	22	6.2
7T31	FT	7.5	16.0	350	140		6.0 (0.3)	18	5.0
7T40	FT	7.5	16.0	310	127	A14S D25L	7.0 (0.3)	35	5.0
7T40A	FT	7.5	16.0	315	140	A14S D25P	7.0 (0.3)	35	5.0
7T59RP	FT	5.0	80.0	240	126	T 9	5.5 (0.25)	20	14
7T45	FT	7.5	24.0	420	175	A14S D53S	4.0 (0.3)	15	6.0

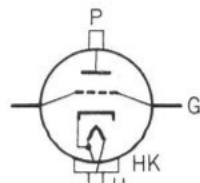
☆ For replacement only ● Typical operation with grid grounded
○ In typical operation, the upper figures are for 500 Mc. lower for 2500 Mc.



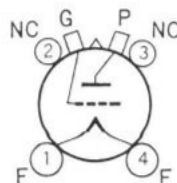
UV-845



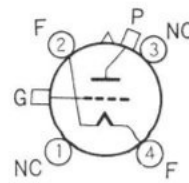
3T12



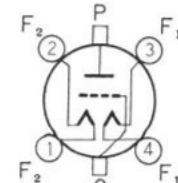
2C39A



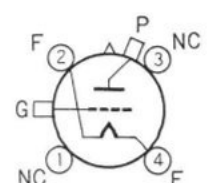
4T16
4T17



5T20
5T21



5T34
5T35

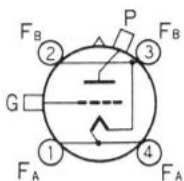


5T25

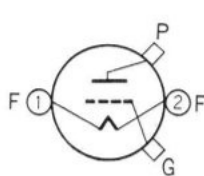
Use	Max. frequency for full input (Mc)	Max. plate ratings			Typical operation						★ Cooling system	U.S.A. equivalent	Type
		Voltage (kV)	Input (W)	Dissipation (W)	Plate voltage (kV)	Grid voltage (V)	Plate current (A)	Grid current (mA)	Exciting power (W)	Plate output (W)			
AB ₁	—	1.25	150	75	1.0	— 170	0.07/0.23	E _{gm} =330V	—	Z _p =4600Ω 70	N		UV-845
CT CP	75 75	2.25 1.8	350 230	90 60	2.0 1.5	— 250 — 300	0.15 0.125	25 30	10 13	220 110	N		3T12
○CT	2500	1.0	125	100	0.8 0.9	— 45 — 22	0.08 0.09	32 27	▲ 6	▲▲ 27 ▲▲ 12	R QR=0.4m ³ /min	2C39A	2C39A
CT CP	40 40	3.5 2.5	400 260	100 65	3.0 2.0	— 400 — 500	0.13 0.13	25 30	15 21	300 200 Z _p =24000Ω 300	N	100TL	4T16
B	—	3.0	350	100	2.5	— 150	0.05/0.2	8	1.5	300	N	100TH	4T17
CT CP	40 40	3.5 2.5	400 260	100 65	3.0 2.0	— 200 — 250	0.13 0.13	35 45	11 17	300 200 Z _p =25200Ω 300	N		
B	—	3.0	350	100	2.5	— 50	0.06/0.2	20	2.5	300	N	250TL	5T20
CT CP	40 40	4.0 3.2	1000 660	250 165	3.5 3.0	— 450 — 550	0.26 0.2	35 30	26 25	700 460 Z _p =16400Ω 620	N	250TH	5T21
B	—	4.0	850	250	3.0	— 200	0.06/0.35	8	2.5	700	N		
CT CP	40 40	4.0 3.2	1000 660	250 165	3.5 3.0	— 250 — 250	0.26 0.2	55 55	25 23	700 460 Z _p =16000Ω 630	N	304TL	5T34
B	—	4.0	800	250	3.0	— 70	0.06/0.36	25	3.8	850 570 Z _p =8000Ω 900	N	304TH	5T35
CT CP	40 40	3.0 2.5	1200 800	300 200	3.0 2.0	— 400 — 500	0.37 0.37	80 90	40 60	850 570 Z _p =8400Ω 900	N		
B	—	3.0	1000	300	2.5	— 230	0.16/0.6	25	6.5	850 570 Z _p =8400Ω 900	N		
CT CP	40 40	3.0 2.5	1200 800	300 200	3.0 2.0	— 300 — 350	0.37 0.37	120 130	45 55	850 570 Z _p =8400Ω 900	N		
B	—	3.0	1000	300	2.5	— 120	0.16/0.6	30	4.8	850 570 Z _p =8400Ω 900	N		
CT	40	4.0	1200	350	3.5	— 400	0.28	55	35	700	N		5T25
CT CP	40 40	6.0 4.5	1800 1200	450 300	5.0 4.0	— 500 — 550	0.35 0.27	45 50	30 37	1350 920	N or V	450TL	5T30
CT CP	40 40	6.0 4.5	1800 1200	450 300	5.0 4.0	— 350 — 450	0.35 0.27	60 75	32 47	1350 920 Z _p =16400Ω 1200	N or V	450TH	5T31
B	—	5.0	1500	450	4.0	— 120	0.08/0.5	80	7	1350	N or V		5T32
CT	40	6.0	1800	450	5.0	— 500	0.35	45	30	1350	N or V		☆6T13
CT	40	3.5	1000	500	3.0	— 250	0.3	36	13	550	N		☆SN-205C
CT	15	3.0	1500	500	2.0	— 300	0.55	90	40	750	N		6T40
CT	50	5.0	2500	500	5.0	— 400	400	100	55	1500	N or V		6T35
CT CP	40 40	7.5 5.5	3500 2000	750 450	6.0 5.0	— 750 — 850	0.53 0.3	82 90	88 100	2500 1200	N or V	750TL	6T50
CT	50	6.0	4000	800	5.0	— 400	700	160	105	2700	N or V	7092	7T31
CT	50	7.5	4000	1000	6.0	— 500	600	60	45	2800	N or V		7T40
CT CP	50 50	7.5 5.5	4000 2600	1000 660	6.0 5.0	— 400 — 450	0.6 0.45	80 110	55 75	2700 1800 Z _p =14800Ω 3100	V	1000T	7T40A
B	—	7.5	3000	1000	6.0	— 160	0.15/0.83	40	12	2700	V		
CT CP	50 50	7.5 6.0	4000 2600	1000 660	9.0 5.0	— 400 — 450	600 450	80 110	55 75	2700 1800	V		
B	—	7.0	3000	1000	6.0	— 160	0.83/0.15	40	12	3100	V		
★CT	60	11.0	2500	1000	10.0	— 900	0.035	5	—	25000	R QR=4m ³ /min SP=15mm aq.		7T59RP
CT CP	40 40	7.5 6.0	6000 4000	1500 1000	6.0 5.0	— 700 — 1100	0.85 0.6	90 100	105 150	3800 2350	V		7T45

★ Typical operation is for pulse oscillation, with output at peak value. Other columns are at average value (duty factor 0.01).

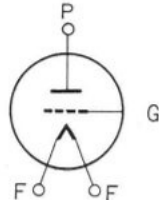
▲ Output of exciter stage ▲▲ Effective output ★ Inlet air temperature for forced air cooling should be below 40°C.



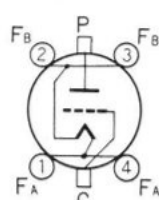
5T30
5T31
5T32



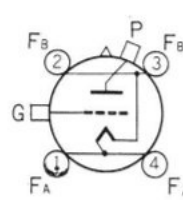
6T13



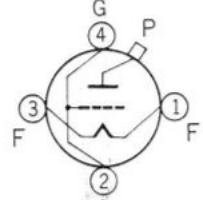
SN-205C



6T35
7T45



7T31
7T40
7T40A



6T40
6T50