REFERENCE DATA FOR CBS TRANSMITTING AND SPECIAL-PURPOSE TUBES



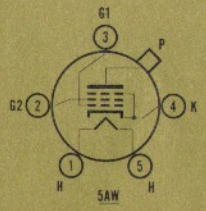
Includes data for transmitting pentodes, triodes, and rectifiers . . . gaseous voltage regulator and reference tubes . . . special receiving and military tubes.

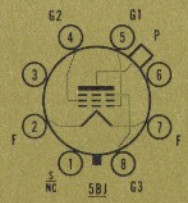
BEAM PENTODES...R-F TRANSMITTING AND AUDIO

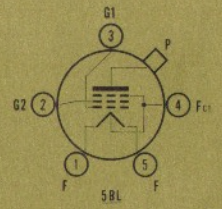
TYPE	DESCRIPTION: Max. Plate Watts	Basing	Heater Filament	CATHODE: Volts	Amperes	CAPACITY: Cgp Max.	Cin	Cout	SERVICE: APPLICATION *	Max. Freq. Mc.	MAXIMUM RATINGS: Plate Volts	Screen Volts	Plate Ma.	Grid Ma., D-C	Screen Watts	TYPICAL OPERATION: Plate Volts	Screen Volts	Grid Volts	Plate Ma.‡	Screen Ma.‡	Grid Ma., D-C	Drive Watts	Load Resistance Kilohms	Output Watts	TYPE
2E24	10	7CL	Oxide Fil.	6.3	0.65	0.11	8.5	6.5	Class A_1 Amp. & Mod.		300	200			2.5	250	160	−8†	40	6.8			6	3.9	**2E24**
	10								Class AB_2 Amp. & Mod.*		400	200	75		2.5	400	125	−15†	150	26			7	42	
	10								Class C Amp. & Osc.	125	500	200	75	3.5	2.5	400	200	−45	75	10	3.0	0.19		20	
	10								Class C Amp. & Osc. (ICAS)	160						350	170	−50	85	10	3.0	2.0		16.5	
	6.7								Class C Plate Mod.	125	400	200	60	3.5	1.7	400	180	−45	50	8	2.5	0.15		13.5	
2E25A	10.5	5BJ	Oxide Fil.	6.0	0.7	0.15	8.6	6.6	Class A_1 Amp. & Mod.		400	250			2.5	250	250	−22.5†	40	9.6			5	4.75	**2E25A**
																300	250	−25†	37	8.4			7	6	
	15								Class AB_2 Amp. & Mod.*		450	250	75		5.0	450	250	−30†	150	40.0	3.0	0.42	6	40	
	15								Class C Amp. & Osc.	100	450	250	75	4.5	4.0	450	250	−45	75	15.0	3.0	0.27		20	
																450	250	−70	75	15.0	3.0	0.36		22	
	10								Class C Plate Mod.	100	400	225	75	4.5	2.7	400	225	−70	60	8.5	3.0	0.33		75	
2E26	10	7CK	Heater	6.3	0.8	0.2	12.5	7.0	Class A_1 Amp. & Mod.		300	200			2.5	250	160	−12	42	10			5.5	5.3	**2E26**
	10								Class AB_2 Amp. & Mod.*		400	200	75		2.5	400	125	−15	150	32		0.36	6.2	42	
	10								Class C Amp. & Osc.	125	500	200	75	3.5	2.5	500	185	−40	60	11	3.0	0.15		20	
										160						300	170	−75	75	6.0	2.5	1.5		13	
	10								Class C Plate Mod. (IMS)	125	600	200	70	3.5	2.5	600	200	−50	60	10	2.5	0.15		24	
2E30	10	7CQ	Oxide Fil.	6.0	0.65	0.2	9.5	6.6	Class A_1 Amp. & Mod.		250	250			2.5	250	250	−20†	44	7.4			4.5	4.5	**2E30**
	10								Class AB_2 Amp. & Mod.*		300	275	60		2.5	250	250	−30†	120	20.0	2.3	0.2	3.8	17	
	10								Class C Amp. & Osc.	165	300	250	60	3.0	2.5	300	250	−70	50	5.0	0.7	1.7		6	
	10								Class C Doubler	165	300	250	60	3.0	2.5	300	225	−70	45	3.8	0.7	0.2		4.5	
	6.6								Class C Plate Mod.	165	200	200	60	2.5	2.5	200	200	−46	45	10.0	2.3	0.15		5	
3B4	3	7CY	Oxide Fil.	1.25	0.33	0.15	4.6	7.6	Class C Amp. & Osc.	100	150	135	25	1.5	1.1	90	90	−18	15	4.8	0.4	0.03		0.45	**3B4**
				2.50	0.165											150	135	−38	25	6.2	0.55	0.07		1.25	
3D21A	15	6BU	Heater	6.3	1.7	1.2	17.0	10.0	Pulse Modulator		3500	850			3.0		Transient Peak Plate = 5000V, Pc1 = 0.5w, Pulse = 10μs.								**3D21A**
				12.6	0.85											3500	800	−150 R_L = 450	Esig = 150V					21000	
									Characteristics (Static)							600	300	−30	30	2.5	Gm = 5500 μmhos				
6V6GTY	8	7S	Heater	6.3	0.45	0.7	9.0	7.5	Class C Amp. & Osc.	10	350	250			2.0	350	250	−100	47	7.0	5.0			11	**6V6GTY**
HY69	30	5J	Thoriated Fil.	6.0	1.6	0.3	17.0	8.5	Class A_1 Amp. & Mod.		600	300			5.0	400	300	−25†	58	8.5			7.0	10.6	**HY69**
																500	250	−20†	53	4.5			10.0	10.2	
	30								Class AB_2 Amp. & Mod.*		600	300	120		5.0	500	250	−22.5†	240	16.0	12.0	1.0	4.3	75	
																600	250	−30†	240	20.0	13.0	1.12	5.5	100	
	30								Class C Amp. & Osc.	60	600	300	100	7.0	5.0	600	250	−100	100	12.5	6.0	1.0		42	
																500	250	−100	100	12.5	6.0	1.0		33	
	25								Class C Plate Mod.		600	300	100	7.0	3.3	500	250	−100	83	12.5	5.5	0.9		29	
																400	250	−100	80	12.5	5.5	0.9		22	
807	25	5AW	Heater	6.3	0.9	0.2	12.0	7.0	Class AB_2 Amp. & Mod.*		600	300	120		3.5	600	300	−30	200	10.0		0.1	6.4	80	**807**

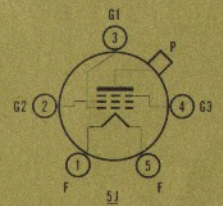
807	25	5AW	Heater	6.3	0.9	0.2	12.0	7.0	Class AB_2 Amp. & Mod.*		600	300	120		3.5	600	300	−30	200	10.0		0.1	6.4	80	**807**
																400	300	−25	240	10.0		0.2	3.2	55	
									Class B R-F Amp.		600	300	80		2.5	600	250	−25	62	3.0	0	0.2		12	
	25								Class C Amp. & Osc.	60	600	300	100	5.0	3.5	600	250	−45	100	7.0	3.5	0.2		40	
																400	250	−45	100	7.5	3.5	0.2		25	
	16.5								Class C Plate Mod.	60	475	300	83	5.0	2.5	475	225	−85	83	5.0	4.0	0.4		27.5	
																325	225	−75	80	5.0	3.0	0.25		17.5	
HY1269	30	5BL	Thoriated	6.0	3.2	0.3	17.0	8.5	Class A_1 Amp. & Mod.		600	300			5.0	400	300	−25†	75	11.0			5	15	**HY1269**
			Fil.	12.0	1.6											500	250	−22†	63	7.0			7	15.5	
	30								Class AB_2 Amp. & Mod.*		600	300	120		5.0	600	250	−22.5†	240	18.0	9.0	0.5	5.8	110	
																400	250	−22.5†	240	12	8.0	0.5	2.8	52	
	30								Class C Amp. & Osc.	60	750	300	120	7.0	5.0	750	300	−100	120	15	6.0	0.9		63	
																400	250	−100	100	15	6.0	0.9		24	
	20								Class C Plate Mod.	60	600	300	100	7.0	3.3	600	250	−100	100	12.5	6.0	0.9		42	
																400	250	−100	80	12.5	5.5	0.8		22.5	
5516	15	7CL	Oxide Fil.	6.0	0.7	0.12	8.5	6.5	Class A_1 Amp. & Mod.*		600	250			5.0	500	250	−21†	92	10			11	21	**5516**
																250	250	−15†	116	20			5	9.5	
	15								Class AB_1 Amp. & Mod.*		600	250			5.0	600	250	−25†	90	14			16	38	
																300	250	−25†	90	16			6.5	15	
	15								Class AB_2 Amp. & Mod.*		600	250	70		5.0	600	250	−25†	140	24	4.0	0.16	10.5	67	
																300	250	−25†	140	24	4.0	0.16	4	25	
	15								Class C Amp. & Osc.	80	600	250	90	6.0	5.0	600	250	−60	75	15	5.0	0.5		32	
																400	250	−60	75	15	5.0	0.5		21	
	15								Class C Amp. & Osc.	156	600	250	90	6.0	5.0	450	250	−40	75	15	2.0	2.0		21	
	10								Class C Plate & Mod.	80	475	250	75	6.0	3.3	475	250	−90	63	10	4.0	0.5		22	
																300	250	−90	60	15	5.0	0.6		12	
5763	12	9K	Heater	6.0	0.75	0.3	9.5	4.5	Class C Amp. & Osc.	50	300	250	50	5.0	2.0	300	250	−60	50	5.0	3.0	0.35		7	**5763**
	12								Class C Doubler	175	300	250	50	5.0	2.0	300	250	−75	40	4.0	1.0	0.6		2.1	
	12								Class C Tripler	175	300	250	50	5.0	2.0	300	250	−100	35	5.0	1.0	0.6		1.3	
	8								Class C Plate Mod.	30	250	250	40	5.0	1.5	250	250	−39	40	5.6	1.0	0.05		6.4	

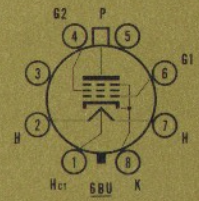
★ CCS (Continuous Commercial Service) values are given unless noted as IMS (Intermittent Mobile Service) or ICAS (Intermittent Commercial and Amateur Service).
* Typical operation values are for two tubes; load resistance value is for plate to plate.
† Grid return to c.t. a-c filament supply. If d-c supply is used, return grid to F− and decrease bias approximately 3 to 4 volts.
‡ Current for audio applications is at maximum signal input.

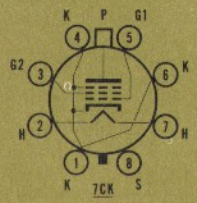


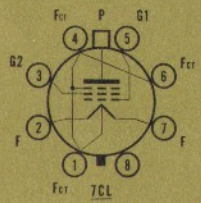


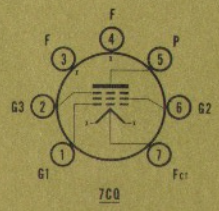


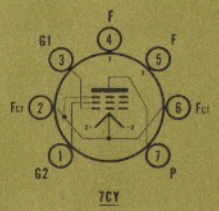


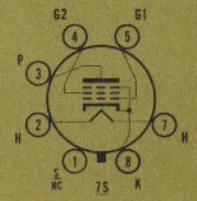


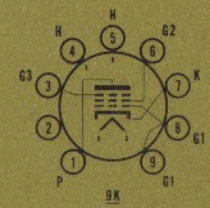












BEAM PENTODES...R-F TRANSMITTING AND AUDIO (cont'd)

TYPE	DESCRIPTION: Max. Plate Watts	Basing	Heater Filament	CATHODE: Volts	Amperes	Cgp Max.	CAPACITY: Cin	Cout	SERVICE: APPLICATION ★	MAXIMUM RATINGS: Max. Freq. Mc.	Plate Volts	Screen Volts	Plate Ma.	Grid Ma., D-C	Screen Watts	TYPICAL OPERATION: Plate Volts	Screen Volts	Grid Volts	Plate Ma.‡	Screen Ma.‡	Grid Ma., D-C	Drive Watts	Load Resistance Kilohms	Output Watts	TYPE
5812	10	7CQ	Oxide Fil.	6.0	0.65	0.2	9.0	7.4	Class C Amp. & Osc.	160	300	250	60	3.0	2.5	300	200	−45	55	3.0	0.75	1.5		7	**5812**
									Characteristics (Static)							250	250	−24.5	40	1.8	Rp = 63K, Gm = 4300				
5881	23	7S	Heater	6.3	0.9				Class A_1 Amp.		400	400			3.0	350	250	−18	65	8.5	Gm = 5200		4.2	11.3	**5881**
	23								Class A_1 Push-pull*		400	400			3.0	250	250	−16	140	16.0	Gm = 5500		5	14.5	
	23								Class AB_1 Push-pull*		400	400			3.0	360	270	−22.5	140	11.0			3.8	18	
	23								Class AB_2 Push-pull*		400	400			3.0	360	270	−22.5	205	16.0			3.6	47	
6146	20	7CK	Heater	6.3	1.25	0.22	13.5	8.5	Class AB_1 Amp. & Mod.*		600	250	125		3.0	600	180	−45	200	23			7	82	**6146**
																400	190	−40	228	25			4	55	
	20								Class AB_2 Amp. & Mod.*		600	250	125		3.0	600	165	−44	207	17	1.1	0.2	6.8	90	
																400	175	−41	232	18	1.6	0.2	3.7	62	
	20								Class C Amp. & Osc.	60	600	250	140	3.5	3.0	600	150	−58	112	9	2.8	0.2		52	
																500	170	−66	135	9	2.5	0.2		48	
	20								Class C Amp. & Osc.	175	600	250	140	3.5	3.0	320	180	−51	140	10	2.0	3.0		25	
	13.3								Class C Plate Mod.	60	480	250	117	3.5	2.0	475	135	−77	94	6.4	2.8	0.3		34	
6216	10	9CE	Heater	6.3	1.2	0.37	12.3	6.7	Filter Reactor		300	200	I_K = 110		1.0	100	100	−3	72	3	Rp = 18.5K, Gm = 12,800				**6216**
	10								Class A Amp.		300	200	I_K = 110		1.0	200	100	−6	51	4	Gm = 8800		4.5	3.8	
	10								Class C Amp. & Osc.	50	300	200	I_K = 110		1.0	300	150	−50	63	8	2.0	0.3		8.8	
	10								Class C Doubler	50	300	200	I_K = 110		1.0	300	150	−75	50	6	1.0	0.6		4	

★ CCS (Continuous Commercial Service) values are given unless noted as IMS (Intermittent Mobile Service) or ICAS (Intermittent Commercial and Amateur Service).
* Typical operation values are for two tubes; load resistance value is for plate to plate.
† Grid return to c.t. a-c filament supply. If d-c supply is used, return grid to F− and decrease bias approximately 3 to 4 volts.
‡ Current for audio applications is at maximum signal input.

GASEOUS TUBES...VOLTAGE REGULATOR AND REFERENCE

TYPE	DESCRIPTION: Class	Basing	CONSTRUCTION: Base	Starting Current, Ma.	MAXIMUM RATINGS: Operating Ma. Min.	Operating Ma. Max.*	Ambient Temperature	SERVICE: APPLICATION	TYPICAL OPERATION: Min. Supply Volts, D-C	Operating Volts, D-C	Max. Shunt Capacitor µf	Regulation Average Volts	TYPE
OA2 †	Glow Tube—150 Volts	5B0	7-pin Min.	75	5	30	−55 to +90°C	Voltage Regulator	185	150	0.1	2	**OA2** †

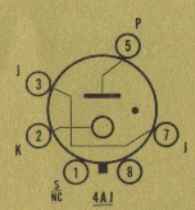
OA2 †	Glow Tube—150 Volts	5BO	7-pin Min.	75	5	30	−55 to +90°C	Voltage Regulator	185	150	0.1	2	OA2 †
OA2WA † ‡	Glow Tube—150 Volts	5BO	7-pin Min.	Same as 6626 below				V. Regulator & Reference	Same as 6626. Tested for military applications				OA2WA † ‡
OA3 (VR75)	Glow Tube— 75 Volts	4AJ	6-pin Octal	100	5	40	−55 to +90°C	Voltage Regulator	105	75		5	OA3 (VR75)
OB2 †	Glow Tube—105 Volts	5BO	7-pin Min.	75	5	30	−55 to +90°C	Voltage Regulator	133	108	0.1	1	OB2 †
OB2WA † ‡	Glow Tube—105 Volts	5BO	7-pin Min.	Same as 6627 below.				V. Regulator & Reference	Same as 6627. Tested for military applications				OB2WA † ‡
OB3 (VR90)	Glow Tube— 90 Volts	4AJ	6-pin Octal		5	30		Voltage Regulator	125	90		5	OB3 (VR90)
OC3 (VR105) †	Glow Tube—105 Volts	4AJ	6-pin Octal	100	5	40	−55 to +90°C	Voltage Regulator	133	108		2	OC3 (VR105) †
OD3 (VR150) †	Glow Tube—150 Volts	4AJ	6-pin Octal	100	5	40	−55 to +90°C	Voltage Regulator	185	150		3.5	OD3 (VR150) †
6626 6626/OA2WA ‡	Glow Tube—150 Volts	5BO	7-pin Min.	75	5	30	−55 to +150°C	Voltage Regulator	165	148	0.1	2	6626 6626/OA2WA ‡
				—	6	10	−55 to +150°C	Voltage Reference	165	148	Stability=0.2V	0.5	
6627 6627/OB2WA ‡	Glow Tube—105 Volts	5BO	7-pin Min.	75	5	30	−55 to +150°C	Voltage Regulator	130	108	0.1	1.5	6627 6627/OB2WA ‡
				—	6	10	−55 to +150°C	Voltage Reference	130	107	Stability=0.2V	0.2	

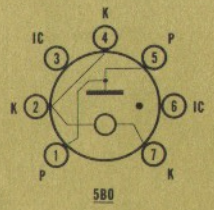
* Use sufficient series resistance to limit current to not more than the rated value at all times.
† JAN version is also available. ‡ USN version is also available tested to U. S. Navy specifications.

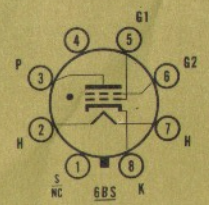
CONTROL TUBES

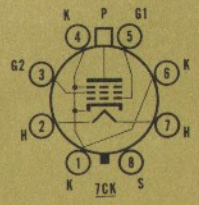
TYPE	DESCRIPTION: Class	DESCRIPTION: Basing	CONSTR.: Base	CONSTR.: Type	CATHODE: Volts	CATHODE: Amperes	CATHODE: Connection	MAXIMUM RATINGS: Anode Voltage	MAXIMUM RATINGS: Unregulated D-C Supply	MAXIMUM RATINGS: Grid Volts	MAXIMUM RATINGS: Screen Volts	MAXIMUM RATINGS: Cathode Ma.	MAXIMUM RATINGS: Anode Watts	MAXIMUM RATINGS: Screen Watts	MAXIMUM RATINGS: Grid Circuit Megohms	SERVICE: APPLICATION	CHARACTERISTICS: Anode KV	CHARACTERISTICS: Grid Volts	CHARACTERISTICS: Screen Volts	CHARACTERISTICS: Anode Ma.	CHARACTERISTICS: Screen Ma.	CHARACTERISTICS: Anode Res. Megohms	CHARACTERISTICS: Trans-Conductance	CHARACTERISTICS: Amp. Factor	TYPE
6792	Beam Tetrode	6792	8-pin Octal	Heater	6.3	0.45	Tetrode Triode	25KV 25KV	55 55	−125 −125	350 —	10 10	25 25	1.0 —	3 3	Shunt Regulator Characteristics	25 25	−18 −8.4	200 —	1.0 1.0	0.1 —	10 8.2	195 185	— 1515		6792
2050	Thyratron	6BS	8-pin Octal	Heater	6.3	0.6	Tetrode	650V Inv.=1300V 180V Inv.= 360V		−10 & −250* −10 & −250*	Ik = 0.1A†, Peak Ik = 1.0A, Surge Ik = 10A‡; Max Ic_1 = 10ma.; Max Ec_2 = −10 to −100V*; Max. Ic_2 = 0.01A Ik = 0.2A†, Peak Ik = 1.0A, Surge Ik = 10A‡; Max Ic_1 = 10ma.; Max Ec_2 = −10 to −100V*; Max. Ic_2 = 0.01A													2050

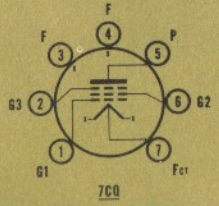
* During conduction and before conduction. † Averaging time = 30 secs. ‡ Duration 0.1 secs.

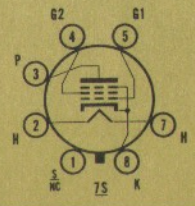


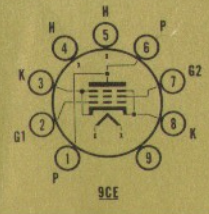


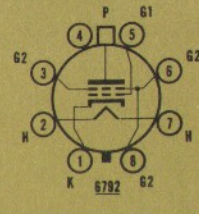












RECTIFIERS

TYPE	Class	Basing	Base	Heater Filament	Volts	Amperes	Peak Plate Ma. per Plate	Plate Ma., D-C	Peak Inverse Volts	Voltage Drop	Max. RMS Volts, Plate to Plate	F-W CIRCUIT Output Volts	Output Ma.	Henrys	INPUT Microfarads	SPECIAL NOTES	TYPE
5R4GY	Full-Wave	5T	5-pin Octal	Fil.	5.0	2.0	650	175 (cap.) 250 (choke)*	2400**		900 950	950 750	150 175	 10	4	Capacitor input. Choke input.	5R4GY
5Y3WGTA	Full-Wave	5T	5-pin Octal	Fil.	5.0	2	400 400	62.5 (cap.) 75.0 (choke)	1400	60	400 500	345 390	125 125	 10	4	Tested for military use. Operation permitted up to 50,000 ft. altitude.	5Y3WGTA
816	Half-Wave, Gaseous	4P	4-pin	Fil.	2.5	2	500	125	7500		5300	2390	250			Choke input required.	816
866A	Half-Wave, Gaseous	4P	4-pin	Fil.	2.5	5	1000	250	10,000	15	6000 4000 3000	2700 1800 1350	500 500 500	6.8 4.5 3.4	1.5 2.1 2.8	Choke input required.	866A
5726	Full-Wave	6BT	7-pin Min.	Htr.	6.3	0.3		Reliable version of type 6AL5. Ratings and characteristics same as those for type 6AL5.									5726
6004	Full-Wave	2AJ	5-pin Octal	Fil.	5.0	2	400 400	62.5 (cap.) 75.0 (choke)	1400	60	400 500	345 390	125 125	 10	4	High-altitude version of 5Y3GT. JAN approved.	6004

* For choke of not less than 5 henrys.
** No load condition for operation up to 40,000 feet altitude.

TRIODES...LOW, MEDIUM, AND HIGH-MU

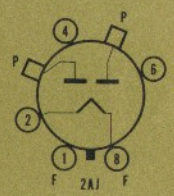
TYPE	Class	Max. Plate Dis. Watts	Basing	Base	Heater Filament	Volts	Amperes	CgP	Cln	Cout	Plate Volts	Grid Volts	Plate Ma.	Grid Ma., D-C	APPLICATION	Plate Volts	Grid Volts	Plate Ma.	Grid Ma., D-C	Grid Drive Watts	Plate Res. Ohms.	Trans-Conductance	Load Resistance	Amp. Factor	Output Watts	TYPE
3A5	Med.-Mu Duotriode	0.5 1.0	7BC	7-pin Min.	Fil.	1.4 2.8	0.22 0.11	3.2	0.9	1.0	135 135	— −30	5 15	— 2.5	A-F Power Amp. R-F Amp. & Osc.	90 135	−2.5 −20	3.7 30	— 5.0	— 0.2	8300 —	1800 —		15 —	— 2	3A5
6AS7G	Low-Mu Duotriode	13	8BD	8-pin O.	Heater	6.3	2.5	10.5	6.8	2.3	250		125		D-C Amp. Characteristics	135	250▲	125			280	7000		2		6AS7G
6J4	High Freq. Triode		7BQ	7-pin Min.	Heater	6.3	0.4				150				Class A Amplifier	150	100▲	15			4500	12000		55		6J4
5514	Power Triode (supplants the HY30Z, HY40 HY40Z, HY51A, HY51B, and HY51Z)	65	4BO	4-pin	Thor. Fil.	7.5	3.0	7.9	7.8	1.0	1500	peak= +125	175		Class B Amp. & Mod.*	1500 1500 1250 1000	−4.5 −4.5 0 0	350 200 350 350	88 46 84 88	6.5 2.0 5.5 6.0			10500 17000 8400 6500		400 215 320 260	5514
		65									1500	−200	175	60	Class C Amp. & Osc. (60 mc.)	1500 1250 1000	−106 −84 −60	175 175 175	60 60 60	12 9.9 8.7					200 165 132	
		43									1250	−200	175	60	Class C Plate Mod. (60 mc.)	1250 1000	−84 −37	142 100	60 37	10.0 3.3					135 75	
5670	High Freq. Duotriode		8CJ	9-pin Min.	Heater	6.3	0.35	1.1	2.2	1.0	300				Class A Amplifier	150	240▲	8.2			6400	5500		35		5670
																	Reliable version of 2C51									
5814A	Med.-Mu Duotriode	0.75	9A	9-pin Min.	Heater	6.3	1.75	1.5	1.6	0.5	300		20		Class A Amp.	100	0	11.8			6250	3100		19.5		5814A

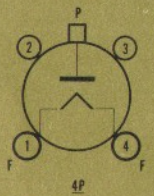
5814A	Med.-Mu Duotriode	2.75	9A	9-pin Min.	Heater	6.3 12.6	1.75 0.35	1.5	1.6	0.5	300		20		Class A Amp. (tested for military use)	100 250	0 −8.5	11.8 10.5			6250 7700	3100 2200		19.5 17		**5814A**
5814WA	Med.-Mu Duotriode	2.75	9A	9-pin Min.	Heater	6.3 12.6	1.75 0.35	1.5	1.6	0.5				Same as 5814A. Tested for military aircraft use. JAN version of 12AU7.												**5814WA**
6099	Med.-Mu Duotriode (balanced sections) Reliable 6J6	1.5 1.5 1.5	7BF	7-pin Min.	Heater	6.3	0.45	1.6	2.2	0.4	300 300 300	−40	15	8.0	Class A_1 Amp. Class C Amp. & Osc.* Mixer	100 150 150	50▲ −10 810▲	8.5 30 4.8	16	0.35	7100 10200	5300 Gc=1900, osc peak=3.0V		38	3.5	**6099**
6101/6J6WA	Med.-Mu Duotriode			Reliable 6J6 for military aircraft use. Electrically identical to 6099 except sections not balanced.																						**6101/6J6WA**

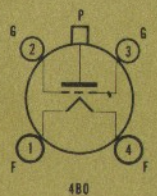
* Values are for two tubes.
▲ Cathode bias resistor.

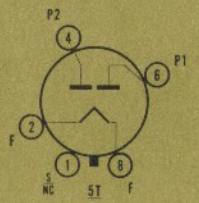
PENTODES...RECEIVING

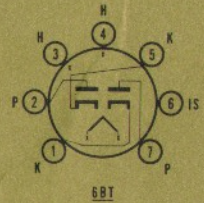
TYPE	Basing	CONSTRUCTION Base	 Heater Filament	CATHODE Volts	 Amperes	 Cgp Max.	CAPACITY Cin	 Cout	 Feature	MAX. RATINGS Plate Volts	 Screen Volts	 Plate Watts	 Screen Watts	SERVICE APPLICATION	CHARACTERISTICS & TYPICAL OPERATION Plate Volts	 Screen Volts	 Grid Volts	 Plate Ma.	 Screen Ma.	 Plate Res. Megohms	 Trans-Conductance	 Cutoff Volts (Approx.)	TYPE
6AJ5	7BD	7-pin Min.	Heater	6.3	0.17	0.02	4.0	2.8	Low B+	180	140	1.7	0.5	Class A_1 Amp.	28	28	−1.0	2.7	1.0	1.0	2500	− 4.5	**6AJ5**
6AS6	7CM	7-pin Min.	Heater	6.3	0.175	0.07	3.9	2.2	G3 Control	180	140	1.7	0.75	Class A_1 Amp. (Ec3=0V) Class A_1 Amp. (Ec3=−3V)	120 120	120 120	−2.0 −2.0	5.2 3.6	3.5 4.8	0.11	3200 1850	− 7.5 −10.0	**6AS6**
5654	7BD	7-pin Min.	Heater	6.3	0.175						Reliable version of type 6AK5.			Ratings and Characteristics identical to type 6AK5.									**5654**
5749	7BK	7-pin Min.	Heater	6.3	0.3						Reliable version of type 6BA6.			Ratings and Characteristics identical to type 6BA6.									**5749**
5879	9AD	9-pin Min.	Heater	6.3	0.15	0.11	2.7	2.4	For Audio Input Stages	300 250	150	1.25 1.5	0.25	Pentode Class A Triode Class A	250 250 100	100	−3.0 −8.0 −3.0	1.8 5.5 2.2	0.4	2.0 0.014 0.017	1000 1500 1240	− 8.0	**5879**

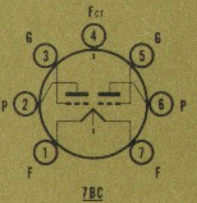


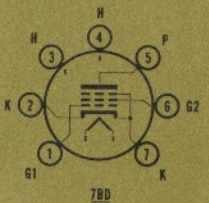


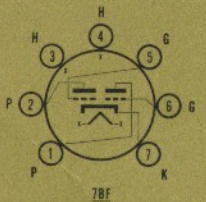


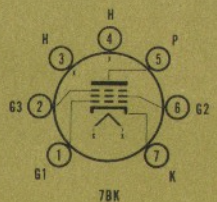


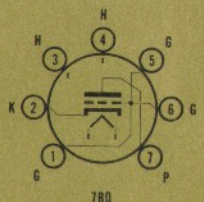


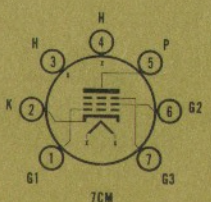


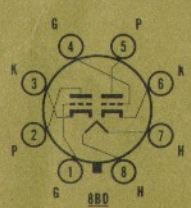


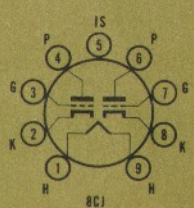


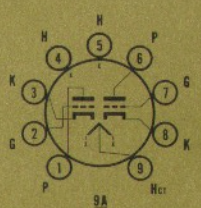


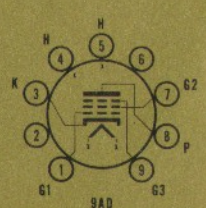












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