POWER TUBES – TETRODES & PENTODES

TYPE NO.	FILAMENT		Mu Grid #1 to Grid #2	Max. Diss. Watts	TYPICAL OPERATION					
					PLATE			GRID		SCREEN
	Volts	Amps			Volts DC	Amps DC	Output Watts	Volts DC	MA DC	Volts DC
4-65A	6	3.5	5	65	3,000	0.115	280	-100	5	400
4CX250B (all ceramic)	6	2.6	5.2	250	2,000	0.250	390	-90	26	250
4CX250F (all ceramic)	26.5	0.56								
4W300B	6.0	2.9	5.2	300	2,000	–	390	–	–	–
4W300BF										
4X150A	6.0	2.6	5	250	1,250	0.200	140	-115	11	280
4X150D	26.5	0.58								
4X250B (ceramic)	6.0	2.6	5.2	250	2,000	0.250	390	-90	26	250
4X250F (ceramic)	26.5	0.56								
4X500A	5.0	13.5	6.2	500	4,000	0.315	930	-150	16	500
4-125A/4D21	5.0	6.5	5.9	125	2,500	0.200	375	-150	12	350
4-250A/5D22	5.0	14.5	5.1	250	4,000	0.312	1,000	-225	90	500
4-400A	5.0	14.5	5.1	400	4,000	0.350	1,100	-220	18	500
807	6.3	0.9	8	25	600	0.100	40	-45	4	250
813	10	5	8.5	125	2,000	0.18	275	-120	10	400
828	10	3.25	–	70	1,250	0.160	150	-95	15	400
829B	12.6 6.3	1.125 2.25	9	30	750	0.120	65	-50	8	200
5894	12.6 6.3	0.9 1.8	8.2	CCS=40 ICAS=45	CCS=600 ICAS=750	0.200	CCS=85 ICAS=105	-80	5	250
5895	6.3 3.15	10.68 1.36	7.5	CCS=12 ICAS=16	600	0.8	33.6	-80	2.6	200
6075	6.3 6.3	33.5 33.5	7.5 7.5	3,000 3,000	4,000 5,000	1.10 1.10	3,300 4,100	-250 -250	70 70	800 800
6076	6.3 6.3	33.5 33.5	7.5 7.5	3,000 3,000	4,000 5,000	1.10 1.10	3,300 4,100	-250 -250	70 70	800 800
6079	10.0	9.7	9.5	500	5,000	0.452	1,760	-200	30	700
6083	12.6	1.35	6.7	45	1,000	0.017	132	-120	5	250
6146	6.3	1.25	4.5	CCS=20 ICAS=25	600 750	0.112 0.12	52 70	-58 -62	2.8 3.1	150 160
6155	5.0	6.5	6.2	125	2,500	0.200	375	-150	10	350
6156	5.0	14.1	5.1	250	3,000	0.345	800	-180	10	500
6159	26.5	0.3	4.5	CCS=20 ICAS=25	600 750	0.112 0.12	52 70	-58 -62	2.8 3.1	150 160
6252	12.6 6.3	0.65 1.3	8.5	CCS=20 ICAS=25	600 750	0.100 0.150	42 79	-60 -60	1.4 2	250 250
6252 USN										

[1]A glass seal version of 4X250B (ceramic) is available. See tube Type 6979.

MAX. FREQ. mc / Full Input Watts	INTERELECTRODE CAPACITANCE – μμf G-P	G-F	P-F	DESCRIPTION	TYPE NO.
150	0.08	8	2.1	Convection and radiation cooled tetrode having a fast heating thoriated tungsten filament. Excellent for mobile use.	4-65A
500	0.06	15.7	4.5	Forced-air cooled external anode tetrodes with brazed ratiator. For airborne and mobile applications extending into the UHF region. Also excellent for single sideband and pulse applications.	4CX250B (all ceramic) 4CX250F (all ceramic)
500	0.06	17.2	5.0	External anode tetrode electrically identical to 4X250B. Anode is water cooled. Designed for applications in which reserve anode dissipation is desirable.	4W300B 4W300BF
500	0.03	16	4.4	Forced-air cooled external anode tetrode. Suited for high power mobile applications. Makes an excellent wide-band amplifier for video application.	4X150A 4X150D
500	0.06	15.7	4.5	Forced-air cooled external anode tetrodes with brazed radiator. For airborne and mobile applications extending into the UHF region. Also excellent for single sideband and pulse applications.	4X250B (ceramic) 4X250F (ceramic)
120	0.05	12.8	5.6	Forced-air cooled external anode tetrode. Useful as power amplifier in FM, TV and VHF communication transmitters.	4X500A
120	0.05	10.8	3.1	Radiation and forced-air cooled tetrode. Designed for use as power amplifier, modulator or oscillator.	4-125A/4D21
110	0.12	12.7	4.5	Radiation and forced-air cooled tetrode. Designed for use as RF power amplifier, modulator or oscillator.	4-250A/5D22
75	0.12	12.5	4.7	Radiation and forced-air cooled tetrode. Designed for use as power amplifier, modulator or oscillator at frequencies up to 110 mc.	4-400A
60	0.2	11.0	7.0	Radiation-cooled tetrode. Popular replacement as well as for initial equipment.	807
120	0.25	16.3	14	Beam power pentode designed for use as an RF amplifier and oscillator.	813
–	0.07	12	14	Beam power pentode for use as AF, RF amplifier, modulator	828
250	0.12	14.5	7.0	Twin-pentode designed for use in push-pull RF amplifier and oscillator applications.	829B
250	0.08	Input 6.7 Output 2.1 (Push-Pull)		Radiation and/or forced-air cooled twin-tetrode of original Amperex design as HF version of conventional 829-B. Makes ideal multiplier, as well as straight amplifier and modulator.	5894
186	0.05	Input 5.7 Output 1.7 (Push-Pull)		Radiation cooled twin, four electrode tube. Designed for use as a radio frequency power amplifier, oscillator, modulator and frequency multiplier. This tube features a directly heated cathode, making it suitable for instant heating applications.	5895
220 75	–	24.0 24.0	8.5 8.5	Water-cooled low drive, HF tetrode designed for FM and television transmitter power amplifier.	6075
220 75	0.2 0.2	24.0 24.0	8.5 8.5	Forced-air cooled external anode version of 6075/AX9907	6076
75	0.24	Input 25 Output 7.2		Radiation and/or forced-air cooled low drive HF tetrode for FM and AM transmitters. Also ideal in screen modulator stages.	6079
60	0.1	22.5	11.0	Radiation-cooled pentode with low voltage – high current characteristics. Powder glass dish type base with short internal lead connections. Up to 150 watts, Class C Telephony, ICAS.	6083
60	0.22	13.5	8.5	Beam power tube for use as RF power amplifier, oscillator, frequency multiplier, AF power amplifier or modulator for mobile and fixed equipment. Anode capable of dissipating 25 watts ICAS.	6146
120	0.05	10.8	3.5	Convection and forced-air cooled tetrode. "Magnisorb" anode and low drive make it excellent RF amplifier tube in FM broadcasting. Improved version of 4-125A/4D21.	6155
75	0.12	12.7	4.5	Convection and forced-air cooled tetrode. "Magnisorb" anode and low drive characteristics with "sintered" glass base. Improved version of 4-250A/5D22.	6156
60	0.22	13.5	8.5	Beam power tetrode for use as RF power amplifier, oscillator frequency multiplier, AF power amplifier or modulator for fixed and mobile equipment.	6159
300	–	Input 4.0 Output 1.3		Radiation and/or forced-air cooled twin tetrode of Amperex design. HF version of conventional 832A. Makes ideal multiplier as well as straight amplifier and modulator. Useful up to 700 mc at reduced ratings. Delivers 15 watts at 600 mc under CCS conditions.	6252 6252 USN