POWER TUBES
TRIODES, TETRODES & PENTODES

TYPE NO.	FILAMENT		Mu	Max. Diss. Watts	TYPICAL OPERATION						MAX. FREQ. mc/sec
					PLATE			GRID		SCREEN	
	Volts	Amps			Volts DC	Amps DC	Output Watts	Volts DC	Amps DC	Volts DC	Full Input Watts
6083/AX-9909	12.6	1.35	6.7	45	1,000	0.017	132	-120	0.005	250	60
6146	6.3	1.25	4.5	CCS=20 ICAS=25	600 750	0.112 0.12	52 70	-58 -62	0.0028 0.0031	150 160	60
6155	5.0	6.5	6.2**	125	2,500	0.200	375	-150	0.010	350	120
6156	5.0	14.5	6.0**	250	3,500	0.345	800	-500	0.020	600	75
6252/AX-9910	12.6 6.3	0.65 1.3	8.5**	CCS=20 ICAS=25	600 750	0.100 0.150	42 79	-60 -60	0.0014 0.002	250 250	300
6333	22.0	60.0	50	10,000	12,000	1.55	14,250	-1600	0.165	-	5
6360	12.6 6.3	0.410 0.820	7.5**	CCS=10 ICAS=14	300	0.100	ICAS 18.5	-45	0.003	200	200
6445	22.0	60.0	50	5,000	10,000	1.40	10,500	-1300	0.160	-	5
6446	22.0	60.0	50	20,000	15,000	2.0	20,000	-1250	0.250	-	5
6447	22.0	60.0	50	10,000	12,000	2.0	17,500	-500	0.230	-	5
6617	8.0	98	34	20,000	12,000	4.5	39,000	-1000	0.800	-	30
6618	8.0	98	34	15,000	12,000	4.5	39,000	-1000	0.800	-	30
6756	7.5	100	13.5	20,000	12,000	3.5	30,640	-1220	0.210	-	30
6757	7.5	100	13.5	15,000	12,000	3.5	30,640	-1220	0.210	-	30
6800	7.5	100	19.5	20,000	12,500	3.5	33,000	-1200	0.250	-	22.5
6801	7.5	100	19.5	10,000	11,800	3.5	31,000	-1200	0.250	-	22.5
6907	12.6 6.3	0.65 1.3	8.5**	CCS=20 ICAS=25	600 750	0.100 0.150	42 79	-60 -60	0.0014 0.002	250 250	300
6939	12.6 6.3	0.375 0.75	33**	CCS= 6 ICAS=7.5	180 200	0.055 0.060	5.8 7.5	-20 -20	0.002 0.002	180 200	500
6960	12.6	33	32	6,000	6,500	2.0	10,000	-450	0.600	-	55
6961	12.6	33	32	6,000	6,500	2.0	10,000	-450	0.600	-	55
6979	6.0	2.6	5**	250	2,000	0.250	410	-90	0.012	250	250
7004	3.4	19.0	32	300	2,500	0.260	45	-200	0.100	-	175 900‡
7092	6.3	32.5	22	800	5,000	0.700	2,720	-400	0.160	-	50
				1,200+	5,550	0.855	3,685	-490	0.195	-	

** Grid No. 2 to Grid No. 1
‡ Derated for 155 watts output
+ 50% duty cycle

NOTE: Typical operation as R-F amplifier and oscillator Class C telegraphy, key down conditions per tube, without modulation for frequencies indicated.

INTERELECTRODE CAPACITANCE - $\mu\mu$f			DESCRIPTION	TYPE NO.
G-P	G-F	P-F		
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/AX-9909
0.22	13.5	8.5	Beam power tube for use as R-F power amplifier, oscillator, frequency multiplier, AF power amplifier or modulator for mobile and fixed equipment. Anode capable of dissipating 25 watts ICAS.	6146
0.05	10.8	3.1	Convection and forced-air-cooled tetrode. "Magnisorb" anode and low drive make it excellent R-F amplifier tube in F.M. broadcasting. Improved version of 4-125A/4D21.	6155
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/5022.	6156
–	Input 4.0 Output 1.3		Radiation and/or forced-air-cooled twin tetrode of Amperex design. H.F. 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/AX-9910
32.0	17.0	1.8	Improved ruggedized version of standard 892 with spiral filament, Kovar seals, powdered glass stem. Grid side arm deleted and replaced with Kovar ring. Excellent industrial tube for heavy duty, also communication.	6333
<0.1	Input 6.2 Output 2.6		High-gain, twin tetrode for use as Class C amplifier, oscillator, frequency multiplier and modulator, ICAS plate input = 30 watts up to 200 mc. Capable of delivering 18.5 watts output at 200 mc.	6360
32.0	17.0	1.8	Forced-air-cooled version of type 6333. See above.	6445
32.0	17.0	1.8	Improved, ruggedized, heavy-wall version of type 892. Has powdered glass stem, Kovar grid ring, Kovar anode seal, stronger spiral filament giving more uniform heat distribution over anode surface. Also has strong conical, low-inductance grid support. An unusual industrial tube without equal.	6446
32.0	17.0	1.8	Forced-air-cooled version of type 6446. See above.	6447
30.0	37.0	0.5	Thoriated tungsten filamentary triode. 20 kw anode dissipation. Water-cooled. High power, low impedance, R.F. amplifier and industrial oscillator.	6617
30.0	37.0	0.5	Same as 6617 except 15 kw anode dissipation. Forced-air-cooled.	6618
47.6	25.1	1.5	Water-cooled triode with special characteristics as a low impedance. R.F. industrial oscillator. Particularly suited to induction and dielectric heating applications.	6756
50.0	25.1	2.0	Forced-air-cooled version of type 6756.	6757
26.0	25.0	1.0	Thoriated tungsten filamentary triode. 20 kw anode dissipation. Water-cooled. High power RF amplifier and industrial oscillator.	6800
27.0	25.0	1.25	Same as 6800 except 10 kw anode dissipation. Forced air-cooled.	6801
–	Input 4.0 Output 1.3		Twin tetrode, radiation-cooled. Special AMPEREX design for mobile service. HF version of conventional 832A. Ideal multiplier and straight amplifier and modulator. Useful up to 1000 mc. Delivers 15 watts at 600 mc, CCS.	6907
–	Input 3.8 Output 0.8		High-gain twin tetrode for use as Class C amplifier, oscillator, frequency multiplier and modulator. ICAS plate input = 14 watts up to 500 mc. Capable of delivering 7.5 watts output at 500 mc.	6939
11.0	16.0	0.3	Industrial water-cooled triode with large overload capacity on grid and plate currents. Suitable for 7.5 kw induction and dielectric heaters and 10 kw plastic sealers.	6960
11.0	16.0	0.3	Forced-air cooled version of 6960. Suitable for 7.5 kw induction and dielectric heaters and 10 kw plastic sealers.	6961
0.03	15.7	4.5	Forced-air cooled external anode tetrode. Brazed radiator. Interchangeable with 4X150A where higher plate dissipation is required.	6979
4.0	9.0	0.12 Max.	Compact, coaxial transmitting triode. Forced-air cooled. UHF oscillator, amplifier and frequency multiplier. Useful up to 900 mc.	7004
6.2	10.5	0.25	Radiation cooled triode for industrial oscillator and amplifier applications. Rugged construction. Graphite anode with unusual overload capability. Thoriated tungsten filament.	7092