

PREMIUM QUALITY TUBES (Continued)

TYPE NO.	PROTO- TYPE	HEATER		Amplifi- cation Factor	Trans- conduct- ance (Microm- hos)	TYPICAL OPERATION						
		Volts	Amps			PLATE			Grid Volts DC	SCREEN		
						Volts DC	Current ma-DC	Resistance K Ohms		Volts DC	Current ma-DC	
5847 ¹	404A	6.3	0.3	—	12500	160	13	—	+8.5	160	4.50	
6201	12AT7	6.3	0.30	60	5500	250	10	10.9	R _k =200	—	—	
		12.6	0.15									
6218/E80T		6.3	0.15	—	—	100	1.35	—	0	70	—	
7316		6.3	0.3	19.5	3100	100	11.8	6250	-8.5	—	—	
7643	Triode Section	6.3	0.33	18	5000	Supply 100	14		R _k =120 Ohms	—	—	
	Pentode Section	6.3	0.33	40 ²	6200	Supply 170	10	0.4 meg	R _k =155 Ohms	Supply 170	2.8	
7693/E90F		6.3	0.15	50	4600	250	7.4	1.3 meg		150	2.9	
7694/E99F		6.3	0.15	27 ²	3600	250	9.2	1 meg	-20 ⁴	100	3.3	
8233		6.3	0.6	30	45000	140	50	20	-1.5	140	5.5	

²Grid 2 to Grid 1.

³Plate Current = 10 μ a approx.

PREMIUM QUALITY 10,000 HOUR TUBES¹

TYPE						MAXIMUM RATINGS				
	HEATER		CAPACITANCES			Max. Anode Dissipation	Anode Voltage	Suppressor Grid Voltage	Screen Grid Voltage	Cathode Current
	Voltage	Current	Cold Values	Input	Output					
	volts	amps		$\mu\mu f$	$\mu\mu f$		volts	volts	volts	ma
E92CC Twin Triode	6.3	0.4	one section	3.1	0.3	2.0 ² (absolute value)	300	—	—	15
5842 ⁴ Triode	6.3	0.3	—	9.0	1.8	4.5	400	—	—	38
5920/E90CC Twin Triode	6.3	0.4	one section	3.4	0.35	2.0 ² (absolute value)	300	—	—	15
6084/E80F ³ Sharp cut-off amplifier pentode	6.3	0.3	—	5.0	7.3	1.3 (absolute value)	300	0	200	9
6085/E80CC ³ Twin Triode	Series 12.6	0.3	one section	2.6	3.5	2.0 ² (absolute value)	300	—	—	12
	Par. 6.3	0.6								
6211 Twin Triode	6.3	0.3	one section	2.9	0.35	1.5 ² (absolute value)	200	—	—	14
	12.6	0.15								

¹These tubes are designed for a life of 10,000 hours or more.

²Ratings and operating conditions apply to one section.

				CAPACITANCES - $\mu\mu f$			DESCRIPTION	TYPE NO.
	Power Output Watts	Load Resistance K ohms	Cut-Off Bias Volts	G-P	Input	Output		
	—	—	—	0.05	7.0	2.5	High-gain, miniature pentode for use in broad band amplification where its high figure of merit is required for Replacement purposes only. For new equipment design Amperex 6688 is recommended.	5847
	—	—	-20	1.6	2.5	0.45	Premium quality twin triode designed for use as RF amplifier in grounded grid circuits; as a frequency changer below 300 mc; in mobile and industrial equipment with intermittent operation; and in on-off control applications where operation under cut-off conditions is required.	6201
	—	—	—	—	2.2	2.0 max.	Ruggedized beam deflecting tube designed for use as a phase discriminator in impulse-governed oscillators.	6218/E80T
	—	—	—	1.6	1.8	0.5	Medium mu long life, reliable twin triode with separate cathodes designed for application in computer circuits not critical as to hum, microphony and noise.	7316
	—	—	—	1.5	2.5	1.5	Long-life, ruggedized triode-pentode. Pentode section designed for use as a mixer, RF or AF amplifier. Triode section designed for use as an oscillator up to 300 mc, multi-vibrator or blocking oscillator.	7643
	—	—	—	<0.025	5.6	3.4		
	—	—	6.5 ¹	0.0035	5.0	4.2	Sharp cut-off, shock and vibration resistant HF pentode for mobile applications. Premium type replacement for 6BH6/6661.	7693/E90F
	—	—	—	0.0035	4.5	5.2	Variable slope HF pentode for mobile and industrial applications. Shock and vibration resistant premium type replacement for 6BJ6/6662.	7694/E99F
	—	—	-6	110	18	4	Double frame grid power pentode for video, pulse or deflection amplifier service in micro wave, radar, TV or measuring instruments. It has a plate dissipation of 10 watts.	8233

¹For transconductance of 1500 micromhos.

	TYPICAL CHARACTERISTICS										
	Screen Grid Voltage	Anode Voltage	Cathode Resistor	Anode Current	Screen Grid Current	Trans- con- ductance	Amplifi- cation Factor	Plate Resist- ance	Maximum Length	Maximum Diameter	TYPE
	volts	volts	ohms	ma	ma	micromhos		megohms	inches	inches	
	—	150	—	8.5	—	6,000	45	0.0083	2-5/8	3/4	E92CC Twin Triode
	—	130	360	27	—	27,000	43	0.0016	1-3/4	7/8	5842 ⁴ Triode
	—	100	—	8.5	—	6,000	27	0.0045	2-5/8	3/4	5920/E90CC Twin Triode
	100	250	550	3	0.65	1,850	25	1.5	2-5/8	7/8	6084/E80F ³ Sharp cut-off amplifier pentode
	—	250	920	6	—	2,700	27	0.01	3-1/16	7/8	6085/E80CC ³ Twin Triode
	—	100	470	4.6	—	3,600	27	0.0075	2-5/8	7/8	6211 Twin Triode

³Rugged construction.

⁴Available to military specifications.