PREMIUM QUALITY TUBES (Continued)

TYPE NO.	PROTO-TYPE	HEATER		Amplification Factor	Transconductance (Micromhos)	TYPICAL OPERATION					
						PLATE			Grid Volts DC	SCREEN	
		Volts	Amps			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

[2]Grid 2 to Grid 1. [3]Plate Current = 10 μa approx.

PREMIUM QUALITY 10,000 HOUR TUBES[1]

TYPE	HEATER		CAPACITANCES			MAXIMUM RATINGS				
	Voltage	Current	Cold Values	Input	Output	Max. Anode Dissipation	Anode Voltage	Suppressor Grid Voltage	Screen Grid Voltage	Cathode Current
	volts	amps		$\mu\mu f$	$\mu\mu f$	watts	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								

[1]These tubes are designed for a life of 10,000 hours or more. [2]Ratings and operating conditions apply to one section.

Power Output Watts	Load Resistance K ohms	Cut-Off Bias Volts	CAPACITANCES - μμf G-P	Input	Output	DESCRIPTION	TYPE NO.
–	–	–	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 <0.025	2.5 5.6	1.5 3.4	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, multivibrator or blocking oscillator.	7643
–	–	6.5[3]	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

[4]For 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

[3]Rugged construction. [4]Available to military specifications.