



PREMIUM QUALITY, 10,000 HOUR TUBES

						MAXIMUM RATINGS					TYPICAL CHARACTERISTICS							
TYPE		Heater		Capacitances			Max. Anode Dissipation	Anode Voltage	Suppressor Grid Voltage	Screen Grid Voltage	Cathode Current	Screen Grid Voltage	Anode Voltage	Cathode Resistor	Anode Current	Screen Grid Current	Mutual Conductance	Amplification Factor
		Voltage	Current	Cold Values	Input	Output												
E81L/6686 Power Pentode		6.3	0.375	—	11.5	6.5	4.5 (design center value)	210	0	210	30	210	210	120	20	5.3	11,000	36
E83F/6689 wide-band amplifier pentode		6.3	0.3	—	8.5	3.6	2.1 (design center value)	210	0	210	16	120	210	165	10	2.1	9,000	34
E92CC Twin Triode		6.3	0.4	one section	3.5	0.3	2.0 $\frac{1}{2}$ (absolute value)	300	—	—	15	—	150	—	8.5	—	6,000	50
5920/E90CC Twin Triode		6.3	0.4	one section	3.4	0.35	2.0 $\frac{1}{2}$ (absolute value)	300	—	—	15	—	100	—	8.5	—	6,000	27
7062 Twin Triode		6.3	0.400	one section	3.5	0.5	2.0 $\frac{1}{2}$ (absolute value)	600	—	—	20	—	150	—	8.5	—	6,300	45
		12.6	0.200															
7119/E182CC Twin Triode		Series 12.6	0.4	one section	6.5	1.1	4.5 (absolute value)	330	—	—	60	—	120	—	36	—	15,500	24.
		Par. 6.3	0.8															
Rugged Construction	E88CC/6922 Twin Triode	6.3	0.3	one section	3.3	0.2	1.5 $\frac{1}{2}$ (design center value)	220	—	—	20	—	100	680	15	—	12,500	33
	E180F/6688 Broad-band amplifier pentode	6.3	0.3	—	7.5	3.0	3.0 (absolute value)	210	0	175	25	160	190	630	13	3.3	16,500	50
	6084/E80F Sharp cut-off amplifier pentode	6.3	0.3	—	5.0	7.3	1.3 (absolute value)	300	0	200	9	100	250	550	3	0.65	1,850	25
	6085/E80CC Twin Triode	Series 12.6	0.3	one section	2.6	3.5	2.0 $\frac{1}{2}$ (absolute value)	300	—	—	12	—	250	920	6	—	2,700	27
		Par. 6.3	0.6															
	6227/E80L Power Pentode	6.3	0.75	—	11.5	7.0	8.0 (absolute value)	300	0	300	50	250	250	130	30	4.1	9,000	21.

$\frac{1}{2}$ Ratings and operating conditions apply to one section

Typical Operation													Base Connections	Life	Maximum Length	Maximum Diameter	TYPE
Plate Resistance	Anode Current	Anode Resistance	Screen Grid Resistor	Cathode Resistor	Cathode By-Pass Capacitor	Input Resistance Following Amplifier Stage	Grid Leak Resistor	Output Voltage	Amplification	Distortion	Output Power	Input Voltage					
megohms	mA	kilohms	kilohms	kilohms	μ f	kilohms	megohms	volts effective	V_o/V_i	%	watts	volts effective			inches	inches	
0.3	20	15	-	0.12	50	-	0.1	-	-	5	1.0	-		LONGER THAN 10,000 HOURS	2-5/8	7/8	E81L/6686 Power Pentode
0.5	8.3	20	5.6	0.18	50	-	0.1	-	-	10	0.66	1.1			2-5/8	7/8	E83F/6689 wide-band amplifier pentode
0.0083	-	-	-	-	-	-	-	-	-	-	-	-			2-5/8	3/4	E92CC Twin Triode
0.0045	-	-	-	-	-	-	-	-	-	-	-	-			2-5/8	3/4	5920/E90CC Twin Triode
0.0072	-	-	-	-	-	-	-	-	-	-	-	-			2-5/8	7/8	7062 Twin Triode
0.0016	-	-	-	-	-	-	-	-	-	-	-	-			2-5/8	7/8	7119/E182CC Twin Triode
0.00264	-	-	-	-	-	-	-	-	-	-	-	-			2-3/16	7/8	E88CC/6922 Twin Triode
0.09	-	1.0	-	-	-	-	0.5	-	-	0.9	-	0.1			1-3/4	7/8	E180F/6688 Broad-band amplifier pentode
1.5	0.8	220	1200	1.5	50	680	1.0	25	175	1.4	-	-			2-5/8	7/8	6084/E80F Sharp cut-off amplifier pentode
0.01	0.67	220	-	3.9	50	680	-	29	21	2.6	-	-		Rugged Construction	3-1/16	7/8	6085/E80CC Twin Triode
0.09	24	10	1.0	0.27	50	-	1.0	-	-	10	2.8	2.9			3-1/16	7/8	6227/E80L Power Pentode