

Heater Positive with Respect to Cathode

DC	100 Volts
Total DC and Peak.....	200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Shielded)⁽¹⁾

Grid to Plate (Max.).....	0.0035 Pf
Input: g ₁ to (h + k + g ₂ + g ₃ + IS).....	5.5 Pf
Output: p to (h + k + g ₂ + g ₃ + IS).....	5.0 Pf
Diode Plate to All: Dp to (h + Dk + k + g ₁ + g ₂ + g ₃ + p + IS)	4.8 Pf

RATINGS (Design Center Rating System)**Pentode Section**

Plate Voltage (Max.)	300 Volts
Grid No. 2 Voltage	See Rating Chart (Gen. Info. Sec.)
Grid No. 2 Supply Voltage (Max.)	300 Volts
Negative Grid No. 1 Voltage (Max.)	50 Volts
Positive Grid No. 1 Voltage (Max.)	0 Volt
Plate Dissipation (Max.)	3 Watts
Grid No. 2 Dissipation (Max.)	0.65 Watt

Diode Section

Peak Inverse Plate Voltage (Max.)	430 Volts
Peak Plate Current (Max.)	180 Ma
DC Plate Current (Max.)	45 Ma

CHARACTERISTICS AND TYPICAL OPERATION**Class A1 Amplifier**

Plate Voltage	100	250	250 Volts
Grid No. 3 Voltage	Connected to Cathode at Socket		
Grid No. 2 Voltage	100	125	150 Volts
Cathode Resistor	150	100	68 Ohms
Plate Current	5.0	7.6	10.6 Ma
Grid No. 2 Current	2.1	3.0	4.3 Ma
Transconductance	3900	4500	5200 μ mhos
Plate Resistance (Approx.)	0.5	1.5	1.0 Megohms
Ec ₁ for I _b = 10 μ a (Approx.).....	-4.2	-5.5	-6.5 Volts
Average Diode Current with 10 Volts DC Applied (Test Condition Only)			
			60 Ma

NOTE:

(1) External Shield No. 315 connected to Pentode Cathode.

6BY11**AUDIO OUTPUT AMPLIFIER
FM DETECTOR****Power Pentode and
Dual-Control Pentode**

Construction.....	Compactron T-9
Base	E12-70
Basing	12EZ
Outline	9-59
Maximum Diameter	1.188 In.
Maximum Seated Height	2.000 In.
Maximum Overall Height	2.250 In.

ELECTRICAL DATA**HEATER OPERATION**

Heater Voltage.....	6.3 Volts
Heater Current	1200 Ma
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
Total DC and Peak.....	200 Volts
Heater Positive with Respect to Cathode	
DC	100 Volts
Total DC and Peak.....	200 Volts

