

Coupling

Cathode Section 1, to Cathode Section 2:

(1K to 2K), Maximum⁽²⁾ 0.003 pf

Grid No. 1 Section 1, to Plate

Section 2: (1g1 to 2p) Maximum 0.004 pf

Grid No. 1 Section 2, to Plate

Section 1: (2g1 to 1p), Maximum 0.003 pf

Plate Section 1, to Plate

Section 2: (1p to 2p), Maximum 0.018 pf

RATINGS (Design Maximum Rating System)**Section No. 1**

Plate Voltage 330 Volts

Screen Supply Voltage 330 Volts

Plate Dissipation 4.0 Watts

Screen Dissipation 0.8 Watts

Grid No. 1 Circuit Resistance with Cathode Bias 0.25 Megohms

Section No. 2

Plate Voltage 330 Volts

Screen Supply Voltage 330 Volts

Positive DC Grid Voltage 0 Volt

Plate Dissipation 3.1 Watts

Screen Dissipation 0.65 Watts

AVERAGE CHARACTERISTICS**Section No. 1**

Plate Voltage 125 Volts

Screen Voltage 125 Volts

Cathode Resistor 56 Ohms

Plate Resistance (Approx.) 120,000 Ohms

Transconductance 8500 μ mhos

Plate Current 22 Ma

Screen Current 4.8 Ma

Ec1 for Ib = 20 μ a 9.5 Volts**Section No. 2**

Plate Voltage 125 Volts

Screen Voltage 125 Volts

Cathode Resistor 56 Ohms

Plate Resistance (Approx.) 200,000 Ohms

Transconductance (G1) 13,000 μ mhos

Plate Current 11 Ma

Screen Current 3.8 Ma

Ec1 for Ib = 20 μ a -3 Volts**NOTES:**

(1) With external shield No. 309 connected to cathode of section under test unless otherwise indicated.

(2) With external shield No. 309 connected to ground.

6BY6**3BY6**

Color Television Type

SYNC SEPARATOR and CLIPPER**Heptode**

Construction Miniature T-5½

Base Button 7 Pin, E7-1

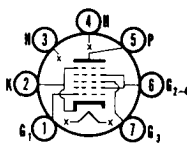
Basing 7CH

Outline 5-2

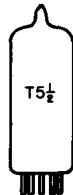
Maximum Diameter 0.750 In.

Maximum Seated Height 1.875 In.

Maximum Overall Height 2.125 In.



7 CH

**ELECTRICAL DATA****HEATER OPERATION**

	3BY6	6BY6
Heater Voltage	3.15	6.3 Volts
Heater Current	600	300 Ma
Heater Warm-up Time	11	— Seconds
Maximum Heater-Cathode Voltage		
Heater Negative with Respect to Cathode		
Total DC and Peak		200 Volts