

DC Output Current (Each Plate) (Max.)	105 Ma
Steady State Peak Plate Current (Each Plate) (Max.)	1075 Ma
Transient Peak Plate Current (Each Plate) (Max.) ⁽³⁾	525 Ma

CHARACTERISTICS AND TYPICAL OPERATION

Full-Wave Rectifier—Capacitor Input Filter

AC Plate Supply Voltage (Each Plate, RMS) ⁽⁴⁾	300	400 Volts
Filter Input Capacitor	40	40 μ f
Effective Plate Supply Resistance (Each Plate)	30	50 Ohms
DC Output Current	350	325 Ma
DC Output Voltage at Filter Input	275	395 Volts

Full-Wave Rectifier—Choke Input Filter

AC Plate Supply Voltage (Each Plate, RMS) ⁽⁴⁾	500 Volts
Filter Input Choke	10 Henrys
DC Output Current	325 Ma
DC Output Voltage at Filter Input	395 Volts
Tube Voltage Drop for Ib = 350 Ma Each Plate	50 Volts

NOTES:

- (1) Horizontal operation is permitted if Pins 2 and 4 are in a vertical plane.
- (2) For use with sinusoidal supply voltages within the frequency range of 25 to 1000 Hertz.
- (3) Maximum duration 0.2 second.
- (4) AC plate voltage is measured without load.

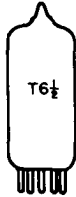
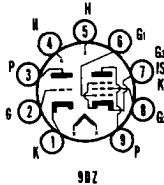
Color Television Type

**IF/VIDEO/AGC AMP (Triode)
OSC/SYNC SEP. (Pentode)**

5AV8

**Medium Mu Triode and
Sharp Cutoff Pentode**

Construction	Miniature T-6½
Base	Button 9 Pin
Basing	9DZ
Outline	6-2
Maximum Diameter	0.875 In.
Maximum Seated Height	1.937 In.
Maximum Overall Height	2.187 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage	4.7 Volts
Heater Current	600 Ma
Heater Warm-up Time	11 Seconds
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

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Triode Section

Grid to Plate	1.5 Pf
Input: g to (h + k)	2.0 Pf
Output: p to (h + k)	0.34 Pf

Pentode Section

Grid No. 1 to Plate (Max.)	0.04 Pf
Input: g1 to (h + k + g2 + g3 + I.S.)	7.0 Pf
Output: p to (h + k + g2 + g3 + I.S.)	3.0 Pf

Coupling

Triode Grid to Pentode Plate (Max.)	0.02 Pf
Pentode Grid No. 1 to Triode Plate (Max.)	0.02 Pf
Pentode Plate to Triode Plate (Max.)	0.15 Pf

RATINGS (Design Maximum Rating System)

	Triode Section	Pentode Section
Plate Voltage (Max.)	330	330 Volts
Grid No. 2 Supply Voltage (Max.)	—	330 Volts
Grid No. 2 Voltage	See Rating Chart (Gen. Info. Sec.)	
Grid No. 1 Voltage		
Positive Bias Value (Max.)	0	0 Volt
Plate Dissipation (Max.)	2.8	2.3 Watts