

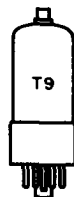
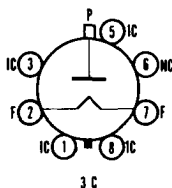
Color Television Type

HIGH VOLTAGE RECTIFIER

1G3GT/1B3GT

Filamentary Diode

Construction	Octal T-9
Base ⁽¹⁾	B5-82, B6-8, B6-60, B6-144 B7-166, B7-211, B8-6 or B8-58
Top Cap	Small, C1-34
Basing ⁽²⁾	3C
Outline	9-51 or 9-52
Maximum Diameter	1.188 In.
Maximum Seated Height	3.312 In.
Maximum Overall Height	4.062 In.



ELECTRICAL DATA

FILAMENT OPERATION

Filament Voltage ⁽³⁾	1.25 Volts
Filament Current	200 Ma

DIRECT INTERELECTRODE CAPACITANCES

Plate to Filament and Internal Shield	1.3 Pf
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RATINGS (Design Maximum Rating System)

Pulse Rectifier Service⁽⁴⁾

Peak Inverse Plate Voltage	26,000 Volts
Total DC and Peak (Max.)	22,000 Volts
DC (Max.)	50 Ma
Peak Plate Current (Max.)	0.5 Ma
Average Plate Current (Max.)	

RF Voltage Rectifier

Peak Inverse Plate Voltage (Max.)	33,000 Volts
Peak Plate Current (Max.)	35 Ma
Average Plate Current (Max.)	1.1 Ma
Frequency of Supply Voltage (Max.)	100 KHz
(Min.)	1.5 KHz

CHARACTERISTICS AND TYPICAL OPERATION

Tube Voltage Drop for Ib = 7.0 Ma (Approx.)	100 Volts
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NOTES:

- (1) On the 5 pin bases, Pins 1, 4, and 6 are omitted. On the 6 pin bases, Pins 4 and 6 are omitted. On 7 pin bases, Pin 4 is omitted.
- (2) Socket terminals 1, 3, 4, 5, 6, and 8 may be connected to terminal 7 or to a corona shield which connects to terminal 7. Terminals 4 and 6 may be used as tie points for components at or near filament potential.
- (3) Under no circumstances should the filament voltage be less than 1.05 volts or more than 1.45 volts.
- (4) For operation in a 525-line, 30-frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.

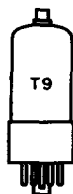
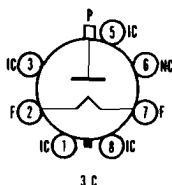
X-RADIATION WARNING: The high voltages associated with this tube type result in the production of X-radiation which may constitute a health hazard on prolonged exposure at close range unless the tube is adequately shielded. Precautions must be exercised during the servicing of equipment to assure that all shielding components are replaced to their intended positions before the equipment is operated.

HIGH VOLTAGE RECTIFIER

1K3/1J3

Filamentary Diode

Construction	Octal T-9
Base ⁽¹⁾	B6-8 or B6-60
Top Cap	Small, C1-34
Basing ⁽²⁾	3C
Outline ⁽³⁾	9-53 or 9-54
Maximum Diameter	1.188 In.
Maximum Seated Height	3.000 In.
Maximum Overall Height	3.562 In.



ELECTRICAL DATA**FILAMENT OPERATION**

Filament Voltage ⁽⁴⁾	1.25 Volts
Filament Current	200 Ma

DIRECT INTERELECTRODE CAPACITANCES

Plate to Filament and Internal Shield (Approx.)	1.6 Pf
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RATINGS (Design Maximum Rating System)**Pulse Rectifier Service⁽⁵⁾**

Peak Inverse Plate Voltage	
Total DC and Peak (Max.)	26,000 Volts
DC (Max.).....	22,000 Volts
Peak Plate Current (Max.)	50 Ma
Average Plate Current (Max.)	0.5 Ma

CHARACTERISTICS AND TYPICAL OPERATION

Tube Voltage Drop for Ib = 7 Ma (Approx.)	225 Volts
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NOTES:

- (1) Bases B6-8 and B6-60, Pins 4 and 6 removed.
- (2) Socket terminals 1, 3, 4, 5, 6, and 8 may be connected to terminal 7 or to a corona shield which connects to terminal 7. Terminals 4 and 6 may be used as tie points for components at or near filament potential.
- (3) Outline 9-53 applies with Short Intermediate Shell Octal Base (B6-60). Outline 9-54 applies with Intermediate Shell Octal Base (B6-8).
- (4) Under no circumstances should the filament voltage be less than 1.05 volts or more than 1.45 volts.
- (5) For operation in a 525-line, 30-frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.

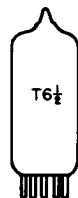
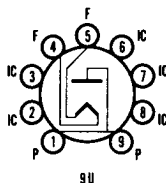
X-RADIATION WARNING: The high voltages associated with this tube type result in the production of X-radiation which may constitute a health hazard on prolonged exposure at close range unless the tube is adequately shielded. Precautions must be exercised during the servicing of equipment to assure that all shielding components are replaced to their intended positions before the equipment is operated.

1V2

Color Television Type

**HIGH VOLTAGE RECTIFIER
(Focus Rectifier)****Filamentary Diode**

Construction	Miniature T-6½
Base	Small Button 9 Pin, E9-1
Basing ⁽¹⁾	9U
Outline	6-2
Maximum Diameter	0.875 In.
Maximum Seated Height	1.937 In.
Maximum Overall Height	2.187 In.

**ELECTRICAL DATA****FILAMENT OPERATION**

Filament Voltage ⁽²⁾	0.625 Volts
Filament Current	300 Ma

DIRECT INTERELECTRODE CAPACITANCES

Plate to Filament (Approx.)	0.8 Pf
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RATINGS (Design Maximum Rating System)**Pulse Rectifier Service⁽³⁾**

Peak Inverse Plate Voltage	
Total DC and Peak (Max.)	8250 Volts
DC (Max.).....	7000 Volts
Peak Plate Current (Max.)	11 Ma
Average Plate Current (Max.)	0.6 Ma

CHARACTERISTICS AND TYPICAL OPERATION

Tube Voltage Drop for Ib = 7 Ma (Approx.)	135 Volts
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NOTES:

- (1) Socket terminals 2, 3, 7, and 8 shall not be used. Terminal 6 may be used as a tie point for components at or near filament potential.
- (2) Under no circumstances should the filament voltage be less than 0.525 volts or more than 0.725 volts.
- (3) For operation in a 525-line, 30-frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.