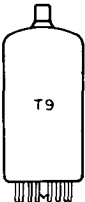
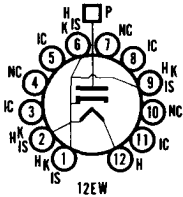


HIGH VOLTAGE RECTIFIER

2BU2/2AS2A

Heater-Cathode Diode

Construction.....Compactron T-9
Base Button 12 Pin, E12-70
Top Cap Small, C1-34
Basing^{(1),(4)} 12EW
Outline 9-100
Maximum Diameter 1.188 In.
Maximum Seated Height 3.250 In.
Maximum Overall Height 3.625 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage⁽²⁾.....2.5 Volts
Heater Current 330 Ma

DIRECT INTERELECTRODE CAPACITANCES

Plate to Heater, Cathode, and Internal Shield 1.4 Pf

RATINGS (Design Maximum Rating System)

Pulse Rectifier Service⁽³⁾

Peak Inverse Plate Voltage (Max.) 30,000 Volts
Peak Plate Current (Max.) 90 Ma
Average Plate Current (Max.) 1.7 Ma

CHARACTERISTICS AND TYPICAL OPERATION

Tube Voltage Drop for Ib = 7 Ma 75 Volts

X-RADIATION CHARACTERISTIC

Maximum X-Radiation 25.0 mR/h

X-Radiation is measured in accordance with JEDEC Publication No. 67, "Recommended Practice for Measurement of X-Radiation from Receiving Tubes," dated February 1968 and quality controlled in accordance with JEDEC Publication No. 73, "Recommended Practice for Quality Control of X-Radiation Emitted from High Voltage Rectifier and Shunt Regulator Receiving Tubes."

Lot acceptance sampling procedures for the manufacturer's initial and life tests for X-Radiation are based on MIL-STD-105, "Military Standard Sampling Procedures and Tables for Inspection by Attributes." Lot acceptance and life control limits are established substantially below the X-Radiation Characteristic Maximum.

NOTES:

- (1) Pins designated Internal Connection (IC) may or may not have connections to internal elements depending on manufacturer. To maintain interchangeability do not use these pins for external connections.
- (2) Under no circumstances should voltage fall below 2.1 volts or exceed 2.9 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.
- (4) Pins 4, 7 and 10 may be used as tie points for components at or near heater potential.

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.

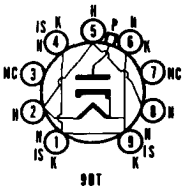
Color Television Type

HIGH VOLTAGE RECTIFIER

3A2

Heater-Cathode Diode

Construction Miniature T-6½
Base Button 9 Pin, E9-1
Top Cap Skirted Miniature C1-2
Basing 9DT
Outline 6-7
Maximum Diameter 0.875 In.
Maximum Seated Height 2.437 In.
Maximum Overall Height 2.844 In.



ELECTRICAL DATA**HEATER OPERATION**

Heater Voltage ⁽¹⁾	3.15 Volts
Heater Current	220 Ma

DIRECT INTERELECTRODE CAPACITANCES

Plate to Heater, Cathode, and Internal Shield	1.0 Pf
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RATINGS (Design Maximum Rating System)**Pulse Rectifier Service⁽²⁾**

Peak Inverse Plate Voltage (Max.)	18,000 Volts
Peak Plate Current (Max.)	80 Ma
Average Plate Current (Max.).....	1.5 Ma

NOTES:

- (1) Under no circumstance should voltage fall below 2.65 volts or exceed 3.65 volts.
- (2) 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.

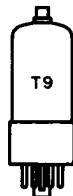
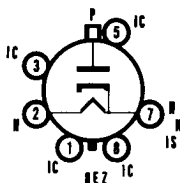
3A3B

Color Television Type

HIGH VOLTAGE RECTIFIER**Heater-Cathode Diode**

Construction	Octal T-9
Base.....	Octal 6 Pin, B6-8 or B6-60
Top Cap.....	Small, C1-1 or C1-34
Basing	.8EZ
Outline	

Maximum Diameter	1.281 In.
Maximum Seated Height	3.250 In.
Maximum Overall Height	3.812 In.

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

Heater Voltage ⁽¹⁾	3.15 Volts
Heater Current	220 Ma

DIRECT INTERELECTRODE CAPACITANCES

Plate to Heater, Cathode, and Internal Shield.....	1.5 Pf
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RATINGS (Design Maximum Rating System)**Pulse Rectifier Service⁽²⁾**

Peak Inverse Plate Voltage (Max.)	30,000 Volts
Peak Plate Current (Max.)	100 Ma
Average Plate Current (Max.).....	2 Ma

CHARACTERISTICS AND TYPICAL OPERATION

Tube Voltage Drop for Ib = 7 Ma	100 Volts
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X-RADIATION CHARACTERISTIC

Maximum X-Radiation	25.0 mR/h
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X-Radiation is measured in accordance with JEDEC Publication No. 67, "Recommended Practice for Measurement of X-Radiation from Receiving Tubes," dated February 1968 and quality controlled in accordance with JEDEC Publication No. 73, "Recommended Practice for Quality Control of X-Radiation Emitted from High Voltage Rectifier and Shunt Regulator Receiving Tubes."

Lot acceptance sampling procedures for the manufacturer's initial and life tests for X-Radiation are based on MIL-STD-105, "Military Standard Sampling Procedures and Tables for Inspection by Attributes." Lot acceptance and life control limits are established substantially below the X-Radiation Characteristic Maximum.

NOTES:

- (1) Under no circumstance should voltage fall below 2.65 volts or exceed 3.65 volts.
- (2) For operation in a 525 line, 30 frame system as described in "Standard 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.