

Color Television Type

HIGH VOLTAGE RECTIFIER**3AT2A****Heater-Cathode Diode**

Construction.....Compactron T-9
 BaseButton 12 Pin, E12-70
 Top CapSmall, C1-34
 Basing12FV
 Outline9-100
 Maximum Diameter1.188 In.
 Maximum Seated Height3.250 In.
 Maximum Overall Height3.625 In.

ELECTRICAL DATA**HEATER OPERATION**

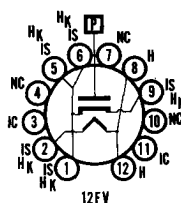
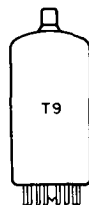
Heater Voltage⁽¹⁾.....3.15 Volts
 Heater Current220 Ma

DIRECT INTERELECTRODE CAPACITANCES

Plate to Heater, Cathode, and Internal Shield.....1.5 Pf

RATINGS (Design Maximum Rating System)**Pulse Rectifier Service⁽²⁾**

Peak Inverse Plate Voltage (Max.)30,000 Volts
 Peak Plate Current (Max.)88 Ma
 Average Plate Current (Max.)1.7 Ma

**X-RADIATION CHARACTERISTIC**

Maximum X-Radiation25.0 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:

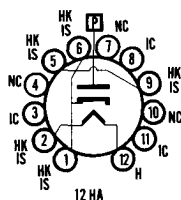
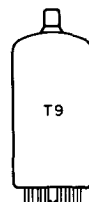
- (1) Under no circumstance should voltage fall below 2.65 volts or exceed 3.65 volts.
- (2) For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse 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.

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