

MECHANICAL DATA

Bulb	T-12
Base	B8-71, Short Jumbo Shell Octal 8-Pin
Outline	See Drawing
Basing	8GB
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage	6.3 Volts
Heater Current	3.0 Amperes
Heater-Cathode Voltage ¹	
Heater Positive with Respect to Cathode	
DC	100 Volts Max.
Total DC and Peak	300 Volts Max.
Heater Negative with Respect to Cathode	
DC	900 Volts Max.
Total DC and Peak (Absolute Value)	4500 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES (Approx.)

Plate to Heater and Cathode	11.5 $\mu\mu\text{f}$
Cathode to Heater and Plate	16 $\mu\mu\text{f}$
Heater to Cathode	5 $\mu\mu\text{f}$

RATINGS (Design Center Values — Except as Noted)

Damper Service²

Peak Inverse Plate Voltage (Absolute Value)	4500 Volts	Max.
Peak Plate Current	1200 Ma	Max.
DC Plate Current	200 Ma	Max.
Plate Dissipation	8.0 Watts	Max.

NOTES:

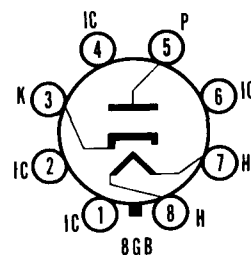
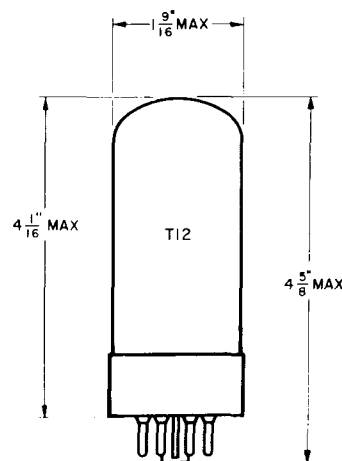
1. Design center values except as noted.
2. For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission", the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.

WARNING:

X-ray radiation shielding may be necessary to protect against possible danger of personal injury from prolonged exposure at close range if this tube is operated at higher than the manufacturer's Maximum Rated Anode Voltage or 16,000 volts, whichever is less.

QUICK REFERENCE DATA

The Sylvania Type 6BL4 is a half-wave rectifier employing an indirectly heated cathode and a T-12 envelope. It is designed for application as a damper diode in color television receivers.



SYLVANIA ELECTRIC
PRODUCTS INC.

RADIO TUBE DIVISION
EMPORIUM, PA.

Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA

APRIL 1955

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