

**MECHANICAL DATA**

Bulb . . . . .	T-12
Base <sup>1</sup> . . . . .	Octal Low Loss Phenolic 5-Pin
Basing . . . . .	5T
Cathode . . . . .	Filamentary
Mounting Position . . . . .	Vertical <sup>2</sup>

**RATINGS**

Shock (Intermittent Service-Abs. Max.) . . . . .	450 g
Vibration (Continuous Service-Design Center) . . . . .	2.5 g
Mechanical Resonance . . . . .	None Below 100 cps

**ELECTRICAL DATA**

**FILAMENT CHARACTERISTICS**

Filament Voltage (Avg.) . . . . .	5.0 Volts
AC Filament Voltage (Abs. Max.) . . . . .	5.5 Volts
AC Filament Voltage (Design Center) . . . . .	5.0 Volts
Filament Current (Avg.) . . . . .	3.0 Amperes
Filament Current (Max.) <sup>3</sup> . . . . .	3.3 Amperes
Filament Current (Min.) <sup>3</sup> . . . . .	2.7 Amperes

**RATINGS**

	Absolute Max.	Design Center
Peak Inverse Plate Voltage . . . . .	1700	1550 Volts
Peak Plate Current Each Plate . . . . .	750	675 Ma
Transient Peak Plate Current Each Plate . . . . .	2.5	Amperes
DC Output Current . . . . .	250	225 Ma
Tube Voltage Drop at 225 Ma Each Plate . . . . .		58 Volts

**TYPICAL OPERATION**

**Full-Wave Rectifier — Capacitor Input**

AC Plate Voltage Each Plate (RMS) . . . . .	450 Volts
Total Minimum Plate Supply Impedance Each Plate . . . . .	75 Ohms
DC Output Current . . . . .	225 Ma

**Full-Wave Rectifier — Choke Input**

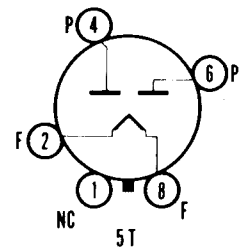
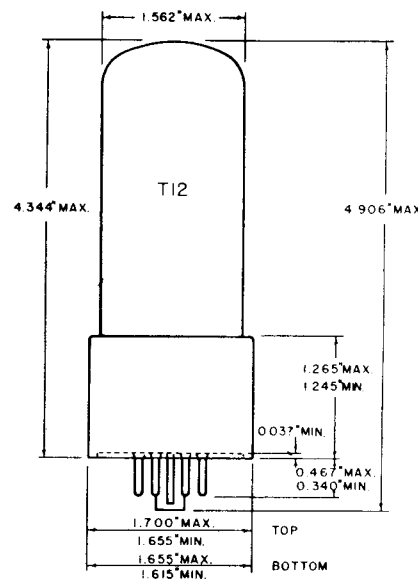
AC Plate Voltage Each Plate (RMS) . . . . .	550 Volts
Minimum Input Choke Inductance . . . . .	3 Henrys
DC Output Current . . . . .	225 Ma

**NOTES:**

1. Maximum Base dielectric loss factor is 0.1. Reference: ASTM Designation D-150-47T.
2. Horizontal mounting permissible if Pins 1 and 4 are in a vertical plane.
3. Limits given here are the extremes which may be found in production.

**QUICK REFERENCE DATA**

Rugged full-wave filamentary type rectifier designed for use in applications requiring resistance to shock or vibration.



**SYLVANIA ELECTRIC PRODUCTS INC.**

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AVERAGE OPERATING CHARACTERISTICS

