

MECHANICAL DATA

Bulb	T-12
Base ¹	Octal Low Loss Phenolic 5-Pin
Basing	5T
Cathode	Filamentary
Mounting Position	Vertical ²

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.) ³	3.3 Amperes
Filament Current (Min.) ³	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

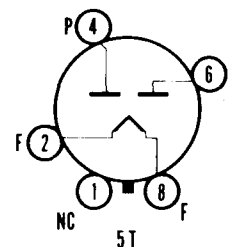
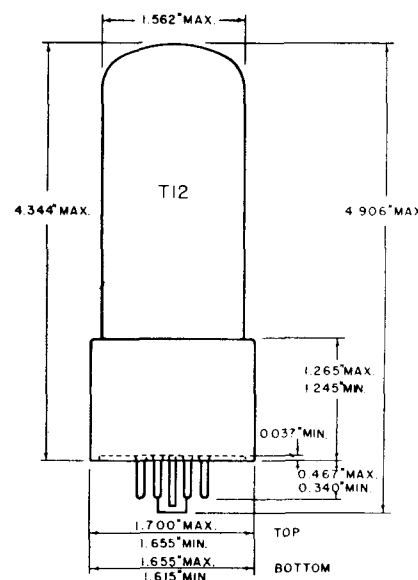
AC Plate Voltage Each Plate (RMS)	550 Volts
Minimum Input Choke Inductance	3 Henrys
DC Output Current	225 Ma

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.



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AVERAGE OPERATING CHARACTERISTICS

