

Half-Wave Vacuum Rectifier

NOVAR TYPE

For Television Dampner Service

Electrical:

Heater Characteristics and Ratings:

Voltage (AC or DC) 6.3 ± 0.6 volts
Current at heater volts = 6.3 1.200 amp

Maximum heater-cathode voltage:

Heater negative with

respect to cathode:^a

Peak 5500 volts

DC component 900 volts

Heater positive with

respect to cathode:

Peak 300 volts

DC component 100 volts

Direct Interelectrode Capacitances

(Approx.):^b

Plate to cathode and heater 6.5 pf

Cathode to plate and heater 9.0 pf

Heater to cathode 2.8 pf

Mechanical:

Operating Position Any

Type of Cathode Coated Unipotential

Maximum Overall Length 3.005"

Seated Length 2.375" to 2.625"

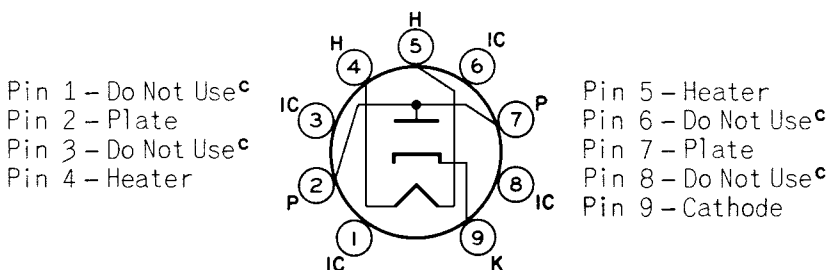
Diameter 1.062" to 1.188"

Dimensional Outline (JEDEC 12-99) See *General Section*

Bulb T9

Base Small-Button Novar 9-Pin with
Exhaust Tip (JEDEC No.E9-89)

Basing Designation for BOTTOM VIEW 9HP



DAMPER SERVICE

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-frame system^d

Peak Inverse Plate Voltage ^a	5500	volts
Peak Plate Current	1300	ma
DC Plate Current	250	ma
Plate Dissipation	8.5	watts

Characteristics, Instantaneous Value:

Tube Voltage Drop for plate ma = 350 25 volts

- ^a This rating is applicable when the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.
- ^b Without external shield.
- ^c Socket terminals 1, 3, 6, and 8 should not be used as tie points. It is recommended that the socket clips for these pins be removed to reduce the possibility of arc-over and to minimize leakage.
- ^d As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

