

Half-Wave Vacuum Rectifier

NOVAR TYPE
For Television Damper Service

Electrical:

Heater Characteristics and Ratings:

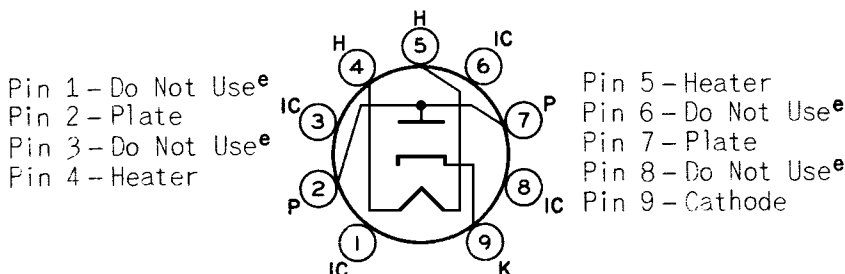
Voltage (AC or DC)	6.3 ± 0.6	volts
Current at heater volts = 6.3	1.600	amp
Peak heater-cathode voltage:		
Heater negative with respect to cathode ^a	5500 ^b max.	volts
Heater positive with respect to cathode	300 ^c max.	volts

Direct Interelectrode Capacitances (Approx):^d

P to (H,K)	6.5	pf
K to (P,H)	9.0	pf
Heater to cathode.	2.8	pf

Mechanical:

Mounting 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	See <i>General Section</i>
Bulb	T9
Socket	Novar 9-Contact
Base	Small-Button Novar 9-Pin with Exhaust (JEDEC No.E9-89)
Basing Designation for BOTTOM VIEW	9HP



DAMPER SERVICE

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

Maximum Ratings, Design-Maximum Values:

Peak Inverse Plate Voltage ^a	5500	max.	volts
Peak Plate Current	1100	max.	ma
Average Plate Current	180	max.	ma
Plate Dissipation	6.8	max.	watts

Characteristic, Instantaneous Value:

Tube Voltage Drop for plate ma = 350	32	volts
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6BH3A

- a** This rating is applicable when the duty cycle 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** The dc component must not exceed 900 volts.
- c** The dc component must not exceed 100 volts.
- d** Without external shield.
- e** 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.
- f** As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

