

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	1.200	amp

Peak heater-cathode voltage:

Heater negative with respect to cathode ^a	5000 ^b max.	volts
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Heater positive with respect to cathode	300 ^c max.	volts
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Direct Interelectrode Capacitances (Approx.):^d

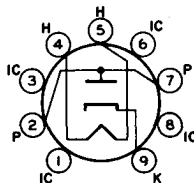
P to (K,H)	6.5	pf
K to (P,H)	9.0	pf
Heater to cathode.	2.8	pf

Mechanical:

Operating Position	Any
Type of Cathode	Coated Unipotential
Maximum Overall Length	3.005"
Seated Length.	2.375" to 2.625"
Dimensional Outline.	See <i>General Section</i>
Diameter	1.062" to 1.188"
Bulb	T9
Base	Small-Button Novar 9-Pin with Exhaust Tip (JEDEC No. E9-89)

Basing Designation for BOTTOM VIEW 9HP

- Pin 1 - Do Not Use^e
 Pin 2 - Plate
 Pin 3 - Do Not Use^e
 Pin 4 - Heater



- Pin 5 - Heater
 Pin 6 - Do Not Use^e
 Pin 7 - Plate
 Pin 8 - Do Not Use^e
 Pin 9 - Cathode

DAMPER SERVICE

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

Maximum Ratings, Design-Maximum Values:

Peak Inverse Plate Voltage ^a	5000	max.	volts
Peak Plate Current	1100	max.	ma
Average Plate Current.	175	max.	ma
Plate Dissipation.	6.5	max.	watts

Characteristic, Instantaneous Value:

Tube Voltage Drop for plate ma = 350 . . .	32	volts
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6AY3B

- 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 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.

