

Half-Wave Vacuum Rectifier

NOVAR TYPE
For Television Damper Service

GENERAL DATA

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
Heater positive with
respect to cathode 300^c max. volts

Direct Interelectrode Capacitances

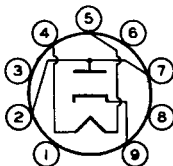
(Approx.):^d

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 3.410"
Maximum Seated Length 3.030"
Length, Base Seat to Bulb Top (Excluding tip) . . 2.510" to 2.690"
Diameter 1.062" to 1.188"
Bulb T9
Socket Cinch Mfg. Co. 149 19 00 033,
Industrial Electronic Hardware
Corp. No. SO-0968-SL1, or equivalent
Base Small-Button Novar 9-Pin (JEDEC No. E9-75)
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

Maximum Ratings, Design-Maximum Values:

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

PEAK INVERSE PLATE VOLTAGE^a 5000 max. volts
PEAK PLATE CURRENT 1300 max. ma
DC PLATE CURRENT 250 max. ma
PLATE DISSIPATION 8.5 max. watts

← Indicates a change.

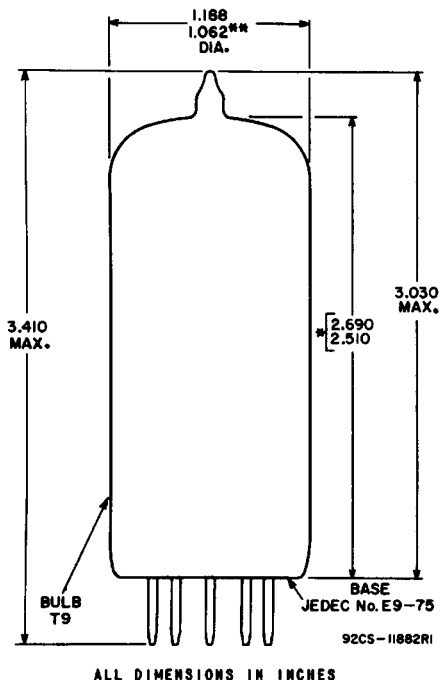


6DW4

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 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.



** APPLIES IN ZONE STARTING 0.375" FROM BASE SEAT.

* MEASURED FROM BASE SEAT TO BULB-TOP LINE AS DETERMINED BY A RING GAUGE OF 0.600" INSIDE DIAMETER.