

Half-Wave Vacuum Rectifier

NOVAR TYPE

For Television Damper Service

GENERAL DATA

Electrical:

Heater Characteristics and Ratings (*Design-Maximum Values*):

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

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 3.54"

Maximum Seated Length 3.16"

Length, Base Seat to Bulb Top (Excluding tip) . . 2.60" $\pm$ 0.09"

Diameter 1.062" to 1.188"

Bulb T9

Socket Novar 9-Contact

Base Small-Button Novar 9-Pin (JEDEC No.E9-75)

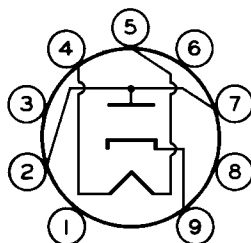
Basing Designation for BOTTOM VIEW 9HP

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 5500 max. volts

PEAK PLATE CURRENT 1100 max. ma

DC PLATE CURRENT 180 max. ma

PLATE DISSIPATION 6.5 max. watts

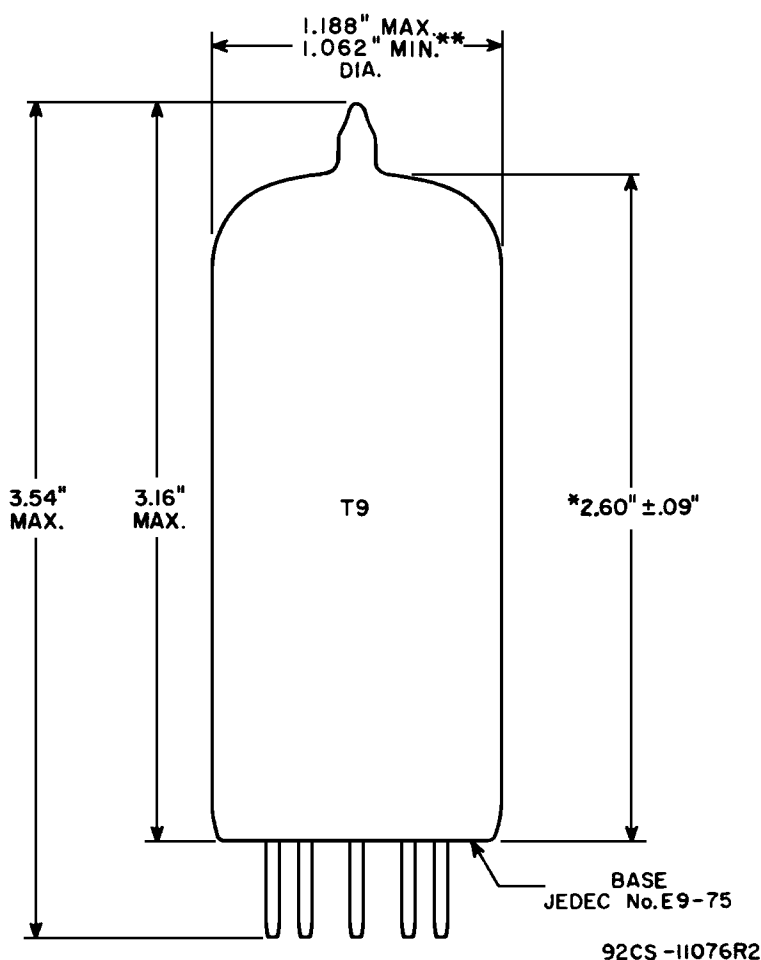
^a This rating is applicable when the duty cycle of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

← Indicates a change.



6BH3

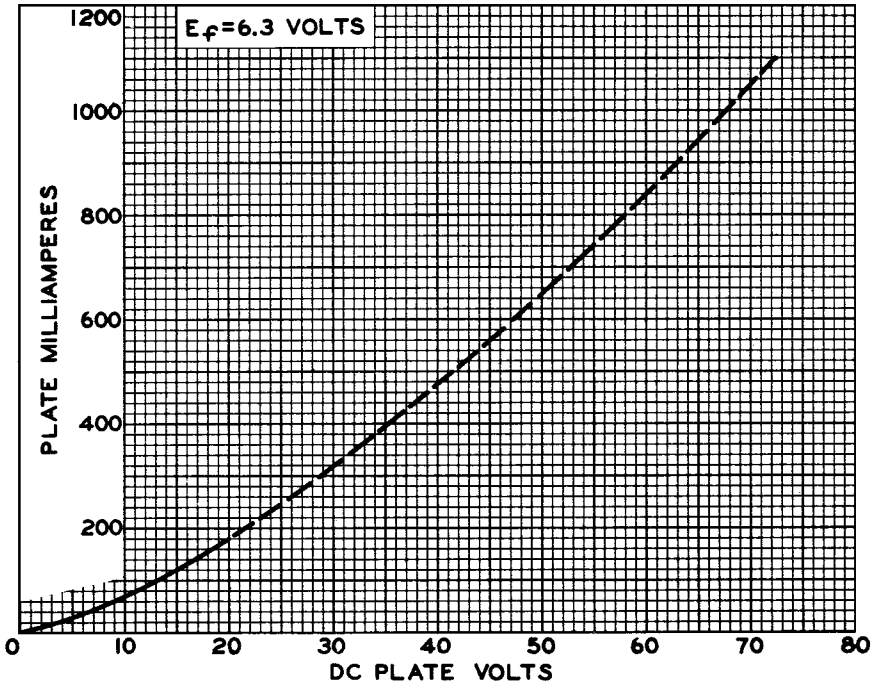
- b The dc component must not exceed 900 volts.
- c The dc component must not exceed 100 volts.
- d Without external shield.
- e Socket terminals 1, 3, 6, and 8 should not be used as tie points. It is recommended that the socket clips for these pins be removed to reduce the possibility of arc-over and 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.

AVERAGE PLATE CHARACTERISTIC



92CS-9884

