

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. No.149 19 00 033,

Industrial Electronic Hardware

Corp. No.S0-0968-SL1, or equivalent

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

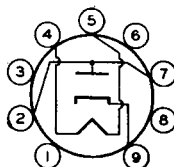
Basing Designation for BOTTOM VIEW 9HP

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 1100 max. ma

DC PLATE CURRENT 175 max. ma

PLATE DISSIPATION 6.5 max. watts

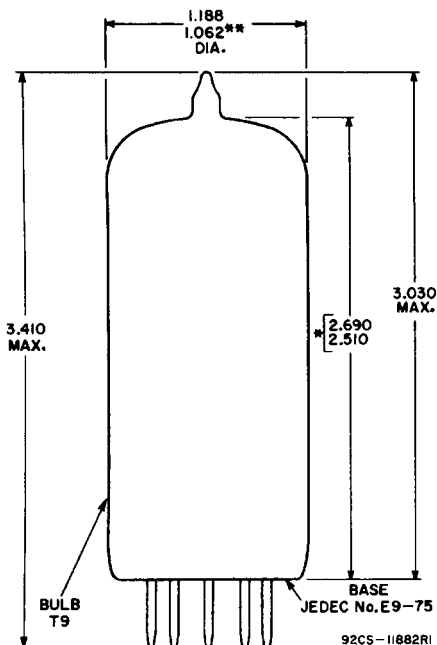
^a This rating is applicable when the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

← Indicates a change.



6AY3

- 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.

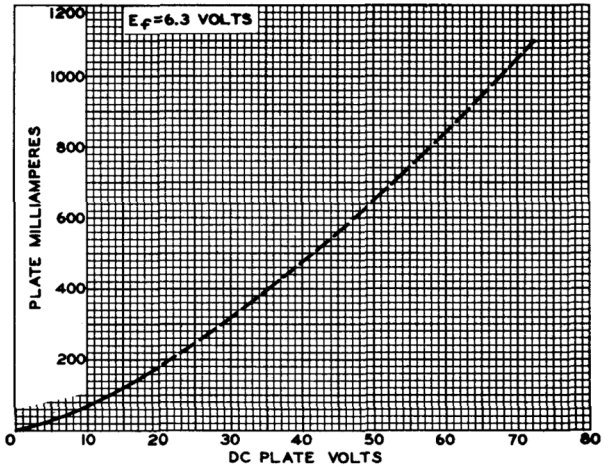


ALL DIMENSIONS IN INCHES

** 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

