

6AY3B

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

Direct Interelectrode Capacitances (Approx.):^d

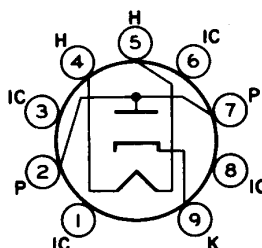
P to (K,H) 6.5 pf
 K to (P,H) 9.0 pf
 Heater to cathode 2.8 pf

Mechanical:

Operating Position Any
 Type of Cathode Coated Unipotential
 Maximum Overall Length 3.005"
 Seated Length 2.375" to 2.625"
 Dimensional Outline See *General Section*
 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



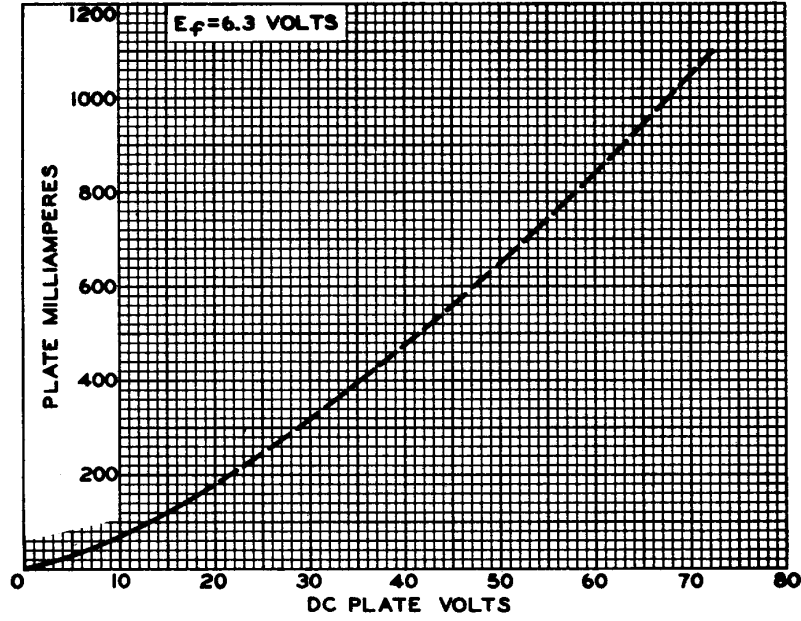
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- a This rating is applicable when the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.
- b The dc component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



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AVERAGE PLATE CHARACTERISTIC



92CS-9884



RADIO CORPORATION OF AMERICA
Electron Tube Division
Harrison, N. J.

DATA 2
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