



6AU4-GTA

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HALF-WAVE VACUUM RECTIFIER

For television damper service

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC) $6.3 \pm 10\%$ volts

Current 1.8 amp

Direct Interelectrode Capacitances (Approx.):⁰

Plate to cathode and heater 8.5 μf

Cathode to heater and plate 11.5 μf

Heater to cathode 4 μf

Mechanical:

Operating Position Any

Maximum Overall Length 3-13/16"

Maximum Seated Length 3-1/4"

Maximum Diameter 1-9/32"

Bulb T9

Base Short Intermediate-Shell Octal 5-Pin

with External Barriers, Arrangement 2

(JEDEC Group 1, No. B5-85),

or Short Intermediate-Shell Octal 6-Pin

with External Barriers, Arrangement 1

(JEDEC Group 1, No. B6-60)

Basing Designation for BOTTOM VIEW 4CG

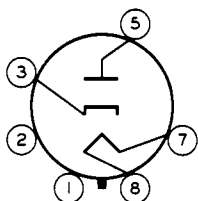
Pin 1 ♦ - Same as

Pin 2

Pin 2 - Internal

Connection—

Do Not Use •



Pin 3 - Cathode

Pin 5 - Plate

Pin 7 - Heater

Pin 8 - Heater

DAMPER SERVICE

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-frame system[□]

PEAK INVERSE PLATE VOLTAGE 4500 max. volts

PEAK PLATE CURRENT 1300 max. ma

DC PLATE CURRENT 210 max. ma

PLATE DISSIPATION 6.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with

respect to cathode 4500[▲] max. volts

Heater positive with

respect to cathode 300[#] max. volts

⁰ Without external shield.

♦ On the 5-pin base, pin 1 as well as pins 4 and 6 is omitted.

• Socket terminals 1, 2, 4, and 6 should not be used as tie points.

[□] As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

[▲] The dc component must not exceed 900 volts.

[#] The dc component must not exceed 100 volts.

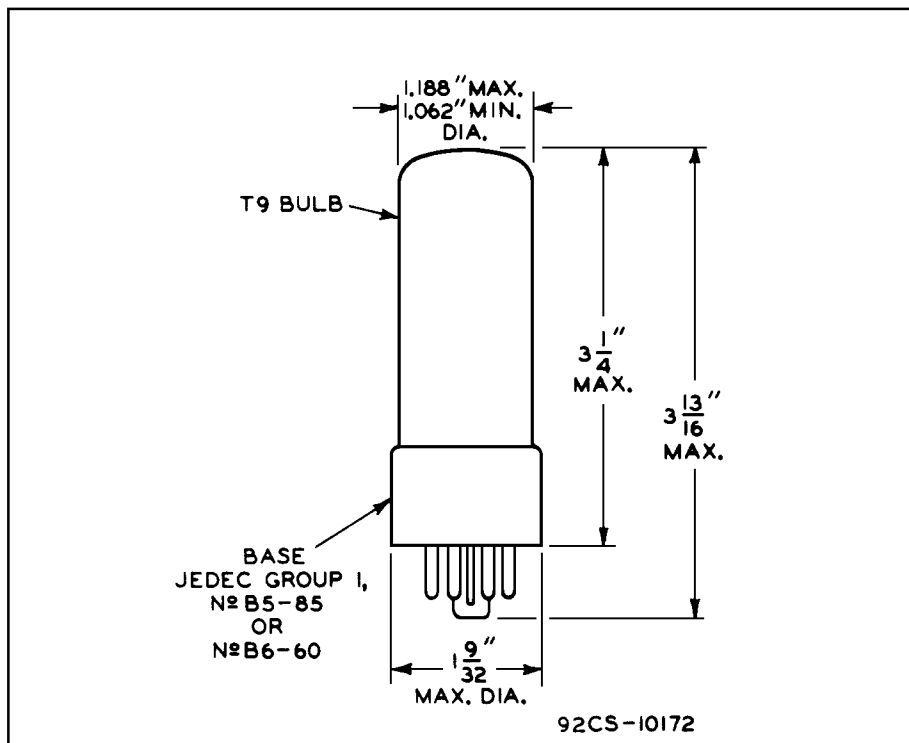
← Indicates a change.

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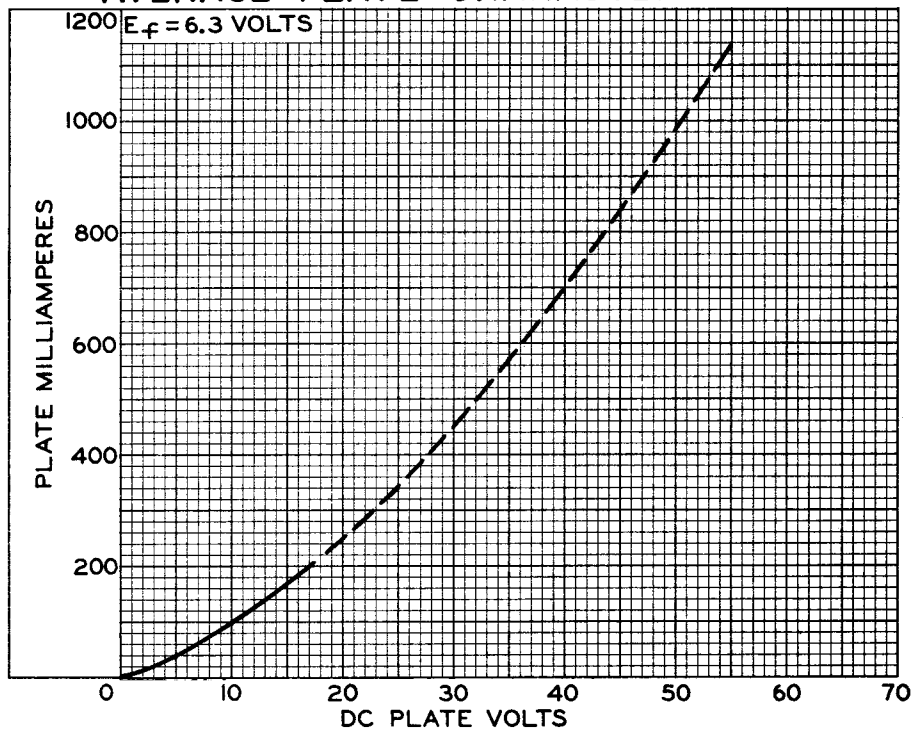
HALF-WAVE VACUUM RECTIFIER



8-59

CE-10172

AVERAGE PLATE CHARACTERISTIC



ELECTRON TUBE DIVISION

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CS-8651R1