

6AX4-GT

Half-Wave Vacuum Rectifier

For Television Damper Service

GENERAL DATA

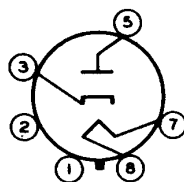
Electrical:

| | | |
|---|-----------|---------|
| Heater, for Unipotential Cathode: | | |
| Voltage (AC or DC) | 6.3 ± 10% | volts ← |
| Current at 6.3 volts. | 1.2 | amp |
| Direct Interelectrode Capacitances (Approx.): ^a | | |
| Plate to cathode and heater | 5 | μf |
| Cathode to plate and heater | 8.5 | μf |
| Heater to cathode | 4 | μf |

Mechanical:

| | |
|---|---|
| Operating Position. | Any |
| Maximum Overall Length. | 3-5/16" |
| Maximum Seated Length | 2-3/4" |
| Maximum Diameter. | 1-9/32" |
| Dimensional Outline | See <i>General Section</i> |
| Bulb. | T9 |
| Base. | Intermediate-Shell Octal 5-Pin, ← |
| | Arrangement 2 (JEDEC Group 1, No. B5-82), |
| | Intermediate-Shell Octal 5-Pin |
| | with External Barriers, Arrangement 2 |
| | (JEDEC Group 1, No. B5-147), |
| | 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^b - Same as
Pin 2
Pin 2 - Internal Con-
nection—
Do Not Use^c



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^d

| | | |
|---|-----------|-------|
| PEAK INVERSE PLATE VOLTAGE ^e | 4400 max. | volts |
| PEAK PLATE CURRENT. | 825 max. | ma |
| DC PLATE CURRENT. | 137 max. | ma |
| PLATE DISSIPATION | 5 max. | watts |

← Indicates a change.



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

DATA
3-61

6AX4-GT

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 4400^f max. volts
Heater positive with respect to cathode. 300^g max. volts

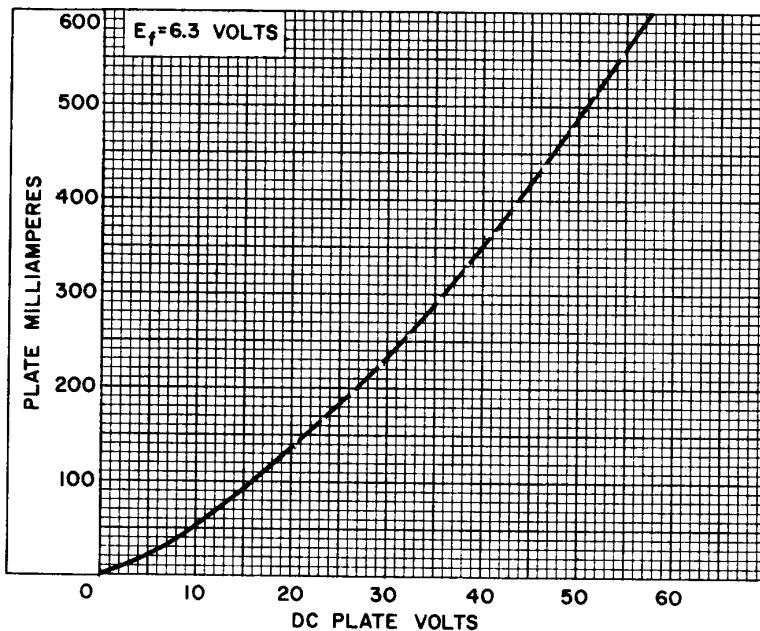
→ Characteristics, Instantaneous Test Condition:

Tube Voltage Drop for plate ma. = 250. . . 32 volts

- ^a Without external shield.
- ^b On the 5-pin bases, pin 1 as well as pins 4 and 6 is omitted.
- ^c Socket terminals 1, 2, 4 and 6 should not be used as tie points.
- ^d As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.
- ^e 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.
- ^f The dc component must not exceed 900 volts.
- ^g The dc component must not exceed 100 volts.

→ Indicates a change.

AVERAGE PLATE CHARACTERISTIC



92CS-7829

