

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

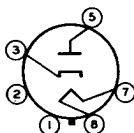
Mechanical:

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.



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PEAK HEATER-CATHODE VOLTAGE:

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

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

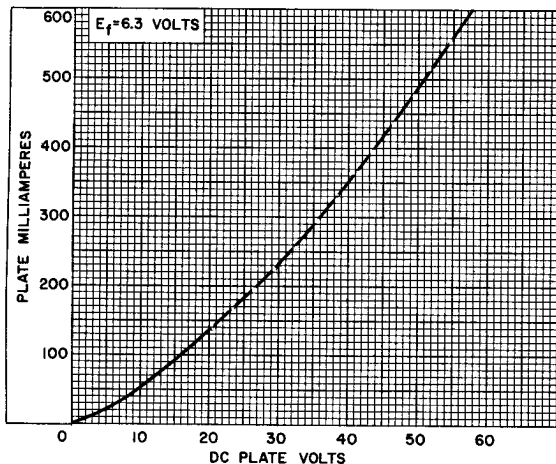
→ Characteristics, Instantaneous Test Condition:

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

