HALF-WAVE VACUUM RECTIFIER

Intended for TV damper service in equipment having series heater-string arrangement

GENERAL DATA

Electrical:
Heater, for Unipotential Cathode:
Voltage ........................................ 12.6 ac or dc volts
Current ........................................... 0.6 amp
Warm-up time (Average) .................... 11 sec

For definition of heater warm-up time and method of determining it, see sheet HEATER WARM-UP TIME MEASUREMENT at front of this Section.

Direct Inter electrode Capacitances (Approx.):^0
Plate to cathode and heater .................. 6 μf
Cathode to plate and heater ................. 8 μf
Heater to cathode ............................. 3 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 General Section
Bulb .............................................. T9
Base ............................................... Intermediate-Shell Octal 5-Pin,
Arrangement 2 (JEDEC Group 1, No. B5-82),
Intermediate-Shell Octal 6-Pin,
Arrangement 1 (JEDEC Group 1, No. B6-8),
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^0
PEAK INVERSE PLATE VOLTAGE* ............ 4400 max. volts
PEAK PLATE CURRENT .......................... 900 max. ma
DC PLATE CURRENT ................................ 155 max. ma

^0*: See next page.

ELECTRON TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

TENTATIVE DATA

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HALF-WAVE VACUUM RECTIFIER

PLATE DISSIPATION: 5.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:
- Heater negative with respect to cathode: 4400\(^\text{a}\) max. volts
- Heater positive with respect to cathode: 300\(^\text{#}\) max. volts

\(^\text{a}\) Without external shield.
\(^\text{#}\) On the 5-pin bases, pin 1 as well as pins 4 and 6 is omitted.

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

"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."

\(^\triangle\) The dc component must not exceed 900 volts.
\(^\#\) The dc component must not exceed 100 volts.

TENTATIVE DATA