6DA4
HALF-WAVE VACUUM RECTIFIER
For television damper service

GENERAL DATA

Electrical:
Heater, for Unipotential Cathode:
  Voltage (AC or DC) .................................. 6.3 ± 10% volts
  Current .............................................. 1.2 amp
Direct Interelectrode Capacitances
  (Approx.): o
    Plate to cathode and heater .................. 6 μμf
    Cathode to plate and heater ............... 8 μμf
    Heater to cathode ......................... 3 μμf

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

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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* ................... 4400 max. volts
PEAK PLATE CURRENT ............................ 900 max. ma
DC PLATE CURRENT ............................... 155 max. ma
PLATE DISSIPATION .................................. 55 max. watts
PEAK HEATER-CATHODE VOLTAGE:
  Heater negative with respect to cathode . 4400 max. volts
  Heater positive with respect to cathode . 300 max. volts

10-59
ELECTRON TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA
HALF-WAVE VACUUM RECTIFIER

Characteristics:
Tube—Voltage Drop for plate

ma. = 250 .................................. 22 volts

○ Without external shield.
◆ On the 5-pin bases, 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.
* 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.
▲ The dc component must not exceed 900 volts.
◆ The dc component must not exceed 100 volts.