



6BL4

# 6BL4 HALF-WAVE VACUUM RECTIFIER

For Television Damper Service

## GENERAL DATA

### Electrical:

Heater, for Unipotential Cathode:

Voltage . . . . .	6.3	ac or dc volts
Current . . . . .	3.0	amp

Direct Interelectrode Capacitances (Approx.):<sup>o</sup>

Plate to heater and cathode . . . . .	11.5	$\mu$ f
Cathode to heater and plate . . . . .	16	$\mu$ f
Heater to cathode . . . . .	5	$\mu$ f

### Mechanical:

Mounting Position . . . . . Any

Maximum Overall Length . . . . . 4-5/8"

Maximum Seated Length . . . . . 4-1/16"

Maximum Diameter . . . . . 1-23/32"

Bulb . . . . . T-12

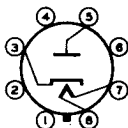
Base . . . . . Short Jumbo-Shell Octal 8-Pin with External Barriers (JETEC No. B8-71)

Basing Designation for BOTTOM VIEW . . . . . 8GB

Pin 1 - Internal Connection- Do Not Use

Pin 2 - Same As Pin 1

Pin 3 - Cathode



Pin 4 - Same as Pin 1

Pin 5 - Plate

Pin 6 - Same as Pin 1

Pin 7 - Heater

Pin 8 - Heater

## DAMPER SERVICE

Maximum Ratings, Design-Center Values Except as Noted:

For operation in a 525-line, 30-frame system<sup>o</sup>

### PEAK INVERSE PLATE VOLTAGE

(Absolute value)<sup>#</sup> . . . . . 4500<sup>o</sup> max. volts

PEAK PLATE CURRENT . . . . . 1200 max. ma

DC PLATE CURRENT . . . . . 200 max. ma

PLATE DISSIPATION . . . . . 8 max. ma

### PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode (Absolute value) . . . . . 4500<sup>o</sup><sup>▲</sup> max. volts

Heater positive with respect to cathode . . . . . 300<sup>o</sup> max. volts

<sup>o</sup> Without external shield.

<sup>□</sup> As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

<sup>#</sup> This rating is applicable where 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.

<sup>●</sup> Under no circumstances should this absolute value be exceeded.

<sup>▲</sup> The dc component must not exceed 900 volts.

<sup>■</sup> The dc component must not exceed 100 volts.

MAR. 1, 1955

TUBE DIVISION

TENTATIVE DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

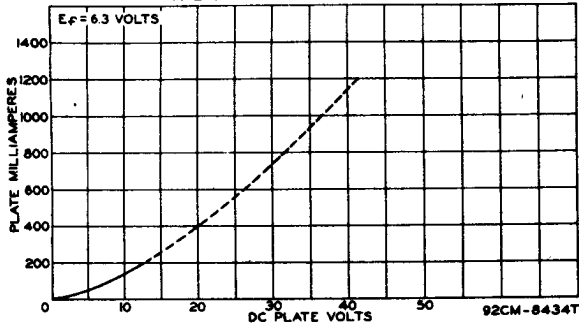
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# HALF-WAVE VACUUM RECTIFIER

AVERAGE PLATE CHARACTERISTIC



92CM-8434T