



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.):^o

Plate to heater and cathode. 11.5 μ f
Cathode to heater and plate. 16 μ f
Heater to cathode. 5 μ 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

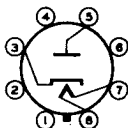
Base. Short Jumbo-Shell Octal 8-Pin with
External Barriers (JETEC No. B8-71)

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[□]

PEAK INVERSE PLATE VOLTAGE

(Absolute value)[#]. 4500[●] 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[▲] max. volts

Heater positive with
respect to cathode. 300[■] max. volts

^o Without external shield.

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

[#] 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.

[●] Under no circumstances should this absolute value be exceeded.

[▲] The dc component must not exceed 900 volts.

[■] 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

