6BL4
HALF-WAVE VACUUM RECTIFIER

For Television Damper Service

GENERAL DATA

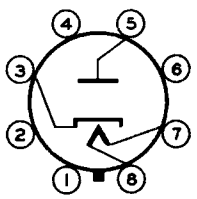
Electrical:

Heater, for Unipotential Cathode:		
Voltage	6.3	ac or dc volts
Current	3.0	amp
Direct Interelectrode Capacitances (Approx.):○		
Plate to heater and cathode	11.5	μμf
Cathode to heater and plate	16	μμf
Heater to cathode	5	μμf

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

○ 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.

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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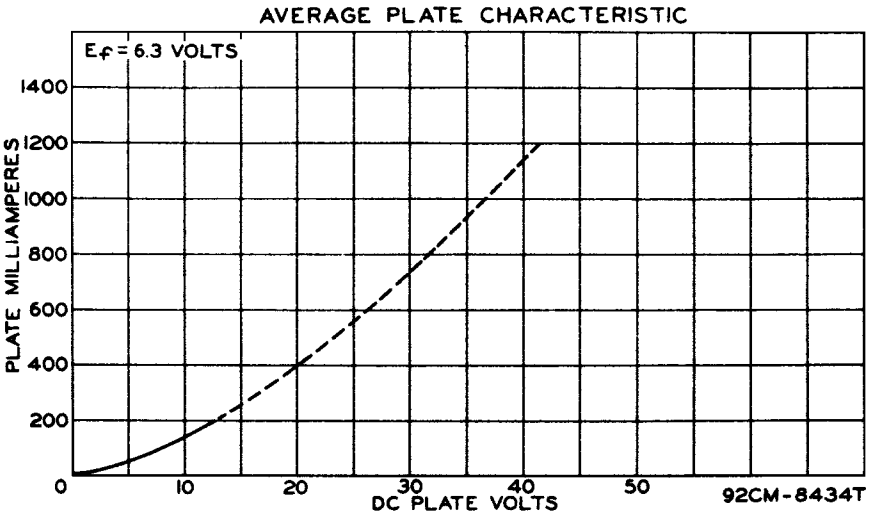

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