



# 6BY5-GA

## FULL-WAVE VACUUM RECTIFIER

For Television Damper Service

6BY5-GA

### GENERAL DATA

#### Electrical:

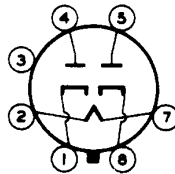
Heater, for Unipotential Cathodes:

Voltage . . . . .	6.3	. . . . .	ac or dc volts
Current . . . . .	1.6	. . . . .	amp

#### Mechanical:

Mounting Position . . . . .	Any
Maximum Overall Length . . . . .	3-7/8"
Maximum Seated Length . . . . .	3-5/16"
Maximum Diameter . . . . .	1-9/16"
Bulb . . . . .	T-12
Base . . . . .	Medium-Shell Octal 7-Pin (JETEC No. B7-12), or Short-Medium-Shell Octal 7-Pin with External Barriers (JETEC No. B7-119)
Basing Designation for BOTTOM VIEW . . . . .	6CN

Pin 1 - Cathode of Unit No. 2  
 Pin 2 - Heater  
 Pin 3 - No Connection - Do Not Use



Pin 4 - Plate of Unit No. 2  
 Pin 5 - Plate of Unit No. 1  
 Pin 7 - Heater  
 Pin 8 - Cathode of Unit No. 1

### DAMPER SERVICE

Values are for Each Unit

#### Maximum Ratings, Design-Center Values Except as Noted:

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

PEAK INVERSE PLATE VOLTAGE (Absolute maximum) <sup>#</sup> . . . . .	3000 <sup>■</sup> max.	volts
PEAK PLATE CURRENT . . . . .	525 max.	ma
DC PLATE CURRENT . . . . .	175 max.	ma
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode . . . . .	450 max.	volts
Heater positive with respect to cathode . . . . .	100 max.	volts

- Socket terminal No. 3 should not be used as tie point.
- 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.

MAY 1, 1955

TUBE DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

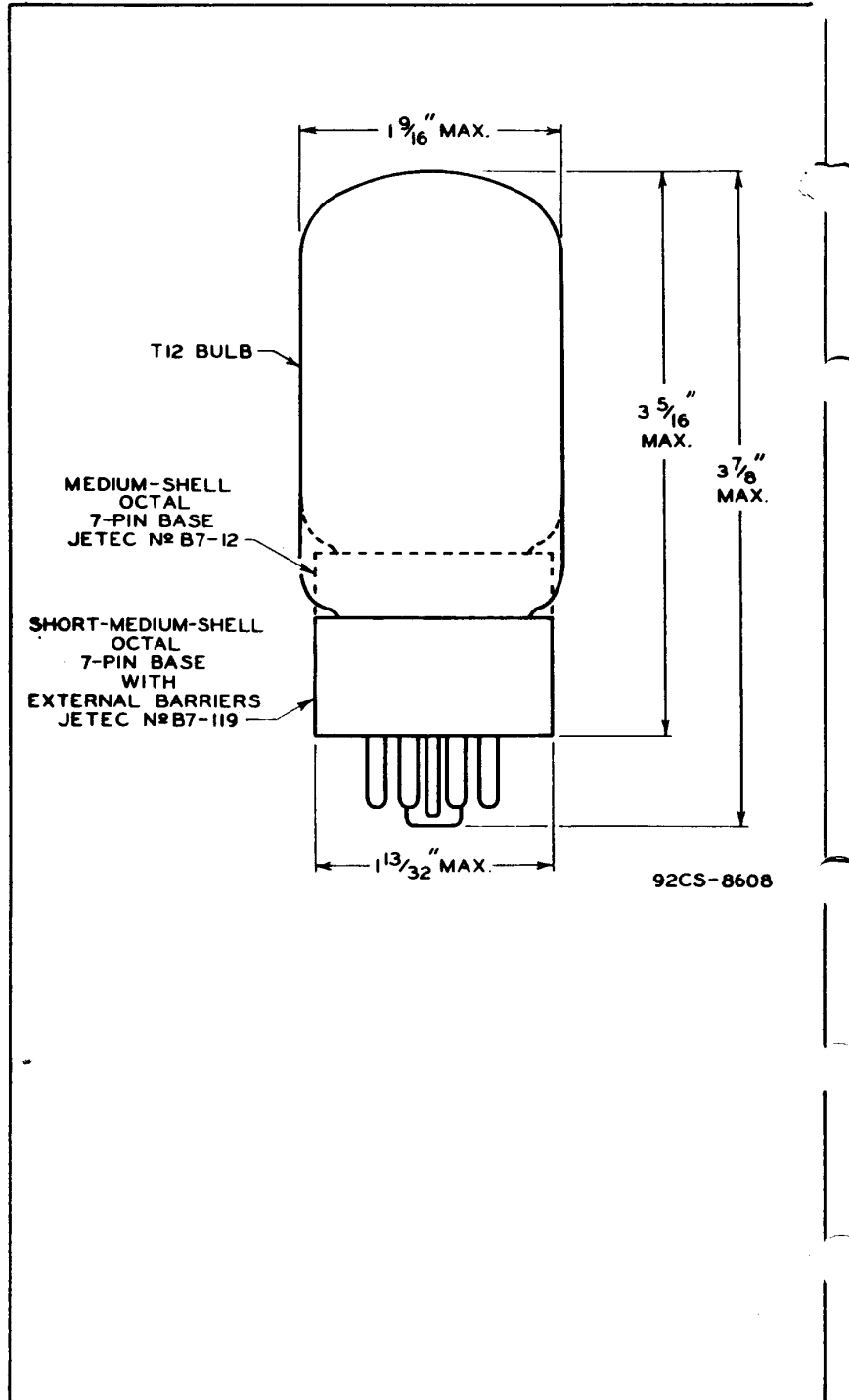
TENTATIVE DATA

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MAY 1, 1955

TUBE DIVISION

CE-8608

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