



6V3-A

# HALF-WAVE VACUUM RECTIFIER

9-PIN MINIATURE TYPE

For Television Damper Service

6V3-A

## GENERAL DATA

### Electrical:

Heater, for Unipotential Cathode:

Voltage . . . . .	6.3	. . . . .	ac or dc volts
Current . . . . .	1.75	. . . . .	amp

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

Heater to cathode . . . . .	1.5	$\mu\mu\text{f}$
Plate to cathode and heater . . . . .	8	$\mu\mu\text{f}$
Cathode to plate and heater . . . . .	9	$\mu\mu\text{f}$

### Mechanical:

Mounting Position . . . . . Any

Maximum Overall Length . . . . . 3-1/16"

Seated Length . . . . . 2-21/32"  $\pm$  1/8"

Maximum Diameter . . . . . 7/8"

Bulb . . . . . T-6-1/2

Cap . . . . . Skirted Miniature (JETEC No. C1-2 or C1-33)

Base . . . . . Small-Button Noval 9-Pin (JETEC No. E9-1)

Basing Designation for BOTTOM VIEW . . . . . 9B0

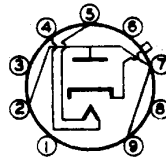
Pin 1 - No Connection

Pin 2 - Plate

Pin 3 - Same as Pin 1

Pin 4 - Heater

Pin 5 - Heater



Pin 6 - Same as Pin 1

Pin 7 - Plate

Pin 8 - Same as Pin 1

Pin 9 - Plate

Cap - Cathode

## 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 maximum) <sup>#</sup> . . . . .	6000 <sup>■</sup> max.	volts
PEAK PLATE CURRENT . . . . .	800 max.	ma
DC PLATE CURRENT . . . . .	135 max.	ma
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode (Absolute maximum) <sup>#</sup> . . . . .	6750 <sup>▲</sup> max.	volts
Heater positive with respect to cathode . . . . .	300 <sup>●</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 750 volts.

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

MAY 1, 1955

TUBE DIVISION

TENTATIVE DATA

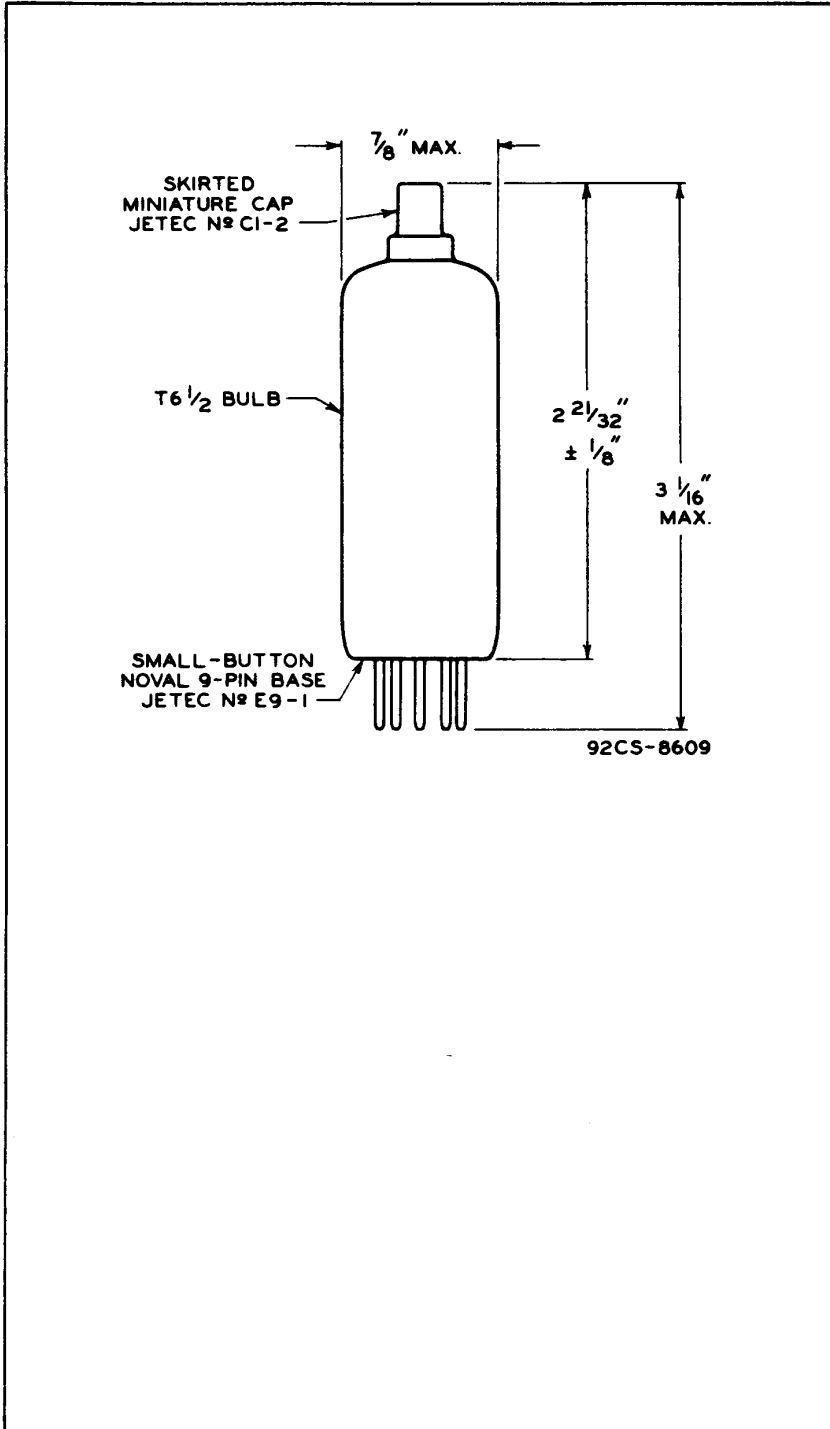
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

6V3-A



6V3-A

# HALF-WAVE VACUUM RECTIFIER



MAY 1, 1955

TUBE DIVISION

CE-8609

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY