

## Half-Wave Vacuum Rectifier

## 9-PIN MINIATURE TYPE

## GENERAL DATA

## Electrical:

Heater Characteristics and Ratings (Design-Center Values):

Voltage (AC or DC) . . . . .	6.3 ± 0.6	volts
Current at heater volts = 6.3 . . . . .	1.550	amp
Peak heater-cathode voltage . . . . .	6600 max.	volts

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

Plate to cathode and heater . . . . .	8.6	μf
Heater to cathode . . . . .	2	μf

## Mechanical:

Operating Position . . . . .	Any
Type of Cathode . . . . .	Coated Unipotential
Maximum Overall Length . . . . .	3-1/2"
Maximum Seated Length . . . . .	3-1/4"
Diameter . . . . .	0.750" to 0.875"
Bulb . . . . .	T6-1/2
Cap . . . . .	Skirted Miniature (JEDEC No.C1-2)
Base . . . . .	Small-Button Noval 9-Pin (JEDEC No.E9-1)
Basing Designation for BOTTOM VIEW . . . . .	9CB

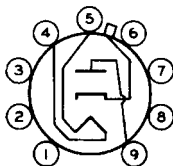
Pin 1 - Do Not Use<sup>b</sup>

Pin 2 - Same as Pin 1

Pin 3 - Same as Pin 1

Pin 4 - Heater

Pin 5 - Heater



Pin 6 - Same as Pin 1

Pin 7 - Same as Pin 1

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>c</sup>

PEAK INVERSE PLATE VOLTAGE (Absolute-maximum value) <sup>d</sup> . . . . .	7500*	max.	volts
PEAK PLATE CURRENT . . . . .	550	max.	ma
DC PLATE CURRENT . . . . .	220	max.	ma
PLATE DISSIPATION . . . . .	5	max.	watts

<sup>a</sup> without external shield.<sup>b</sup> Socket terminals 1,2,3,6,7, and 8 should not be used as tie points.<sup>c</sup> As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.<sup>d</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>e</sup> Under no circumstances should this absolute-maximum value be exceeded.