

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.):^aPlate 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

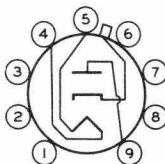
Pin 1 - Do Not Use^b

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^c*

PEAK INVERSE PLATE VOLTAGE

(Absolute-maximum value)^d 7500^e max. volts

PEAK PLATE CURRENT 550 max. ma

DC PLATE CURRENT 220 max. ma

PLATE DISSIPATION 5 max. watts

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

