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.):
- 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
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

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

* Without external shield.
* Socket terminals 1, 2, 3, 6, 7, and 8 should not be used as tie points.
* 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-maximum value be exceeded.