Full-Wave Vacuum Rectifier

9-PIN MINIATURE TYPE

GENERAL DATA

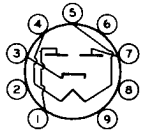
Electrical:

Heater, for Unipotential Cathode:		
Voltage (AC or DC)	6.3	volts
Current	1	amp

Mechanical:

Operating Position	Any
Maximum Overall Length	3-1/16"
Maximum Seated Length	2-13/16"
Length, Base Seat to Bulb Top (Excluding tip)	2-7/16" ± 3/32"
Diameter	0.750" to 0.875"
Dimensional Outline	See *General Section*
Bulb	T6-1/2
Base	Small-Button Noval 9-Pin (JEDEC No.E9-1)
Basing Designation for BOTTOM VIEW	9M

Pin 1 – Plate No.1
Pin 2 – No Connection
Pin 3 – Cathode
Pin 4 – Heater
Pin 5 – Heater



Pin 6 – No Connection
Pin 7 – Plate No.2
Pin 8 – No Connection
Pin 9 – No Connection

FULL-WAVE RECTIFIER

Maximum Ratings, *Design-Center Values:*

PEAK INVERSE PLATE VOLTAGE	1000 max.	volts
AC PLATE SUPPLY VOLTAGE PER PLATE (RMS):		
With capacitor-input to filter	350 max.	volts
PEAK PLATE CURRENT PER PLATE	450 max.	ma
DC OUTPUT CURRENT	150 max.	ma

HOT-SWITCHING TRANSIENT PLATE CURRENT PER PLATE:

Even occasional hot-switching with capacitor-input circuits permits the flow of plate current having magnitudes which can adversely affect the life and reliability of tubes. If capacitor-input circuits are to be used, protect the circuits against possible adverse effects of hot-switching by the use of a circuit arrangement which will limit the maximum peak current value per plate to a value of 1 ampere during the initial cycles of the hot-switching transient.

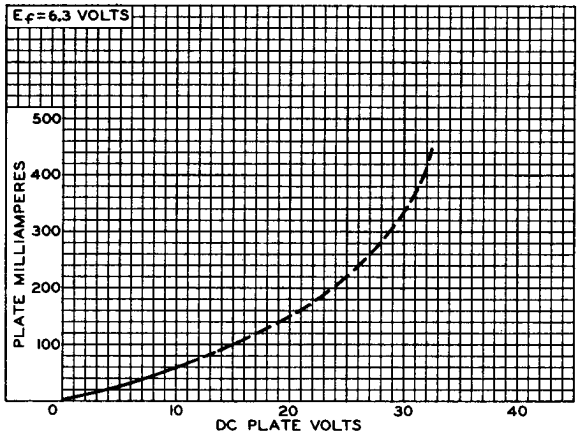
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	500 max.	volts

Typical Operation:

With capacitor input to filter

AC Plate-To-Plate Supply Voltage (RMS)	500	600	700	volts
Filter-Input Capacitor	50	50	50	μf
Total Effective Plate-Supply Impedance Per Plate	150	200	240	ohms
DC Output Voltage at Input to Filter (Approx.) for dc output ma. = 150	245	293	347	volts

AVERAGE PLATE CHARACTERISTIC
Each Unit



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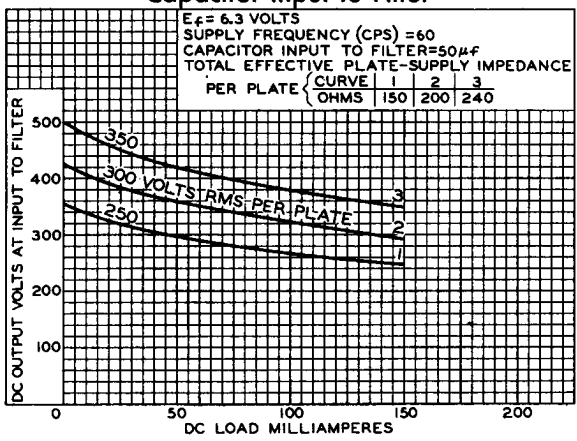
OPERATION CHARACTERISTICS
Capacitor Input to Filter



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