

Full-Wave Vacuum Rectifier

GENERAL DATA

Electrical:

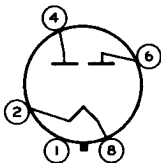
Filament, Coated:

Voltage (AC or DC). 5 volts
Current 2 amp

Mechanical:

Operating Position. Vertical, base down or up, or
Horizontal with pins 2 and 4 in vertical plane
Maximum Overall Length. 3-3/8"
Maximum Seated Length 2-13/16"
Maximum Diameter. 1-9/32"
Dimensional Outline See *General Section*
Bulb. T9
Base. Intermediate-Shell Octal 5-Pin, ←
Arrangement 1 (JEDEC Group 1, No. B5-10), or
Short Intermediate-Shell Octal 5-Pin
with External Barriers, Arrangement 1
(JEDEC Group 1, No. B5-62)
Basing Designation for BOTTOM VIEW. 5T

Pin 1—No Connection
Pin 2—Filament



Pin 4—Plate No. 2
Pin 6—Plate No. 1
Pin 8—Filament

FULL-WAVE RECTIFIER

Maximum Ratings, Design-Center Values: ←

For power-supply frequencies of 25 to 1000 cps

PEAK INVERSE PLATE VOLTAGE. 1400 max. volts
AC PLATE SUPPLY VOLTAGE PER PLATE
(RMS, without load) See *Rating Chart I*
STEADY-STATE PEAK PLATE CURRENT
PER PLATE (See *Rating Chart II*) 440 max. ma
TRANSIENT PEAK PLATE CURRENT
PER PLATE (See *Rating Chart III*). 2.5 max. amp
DC OUTPUT CURRENT See *Rating Chart I*

Typical Operation: ←

With capacitor- With choke-
input filter input filter

AC Plate-to-Plate Supply Voltage (RMS, without load)	700	1000	volts
Filter-Input Capacitor ^a	20	-	μf

← Indicates a change.



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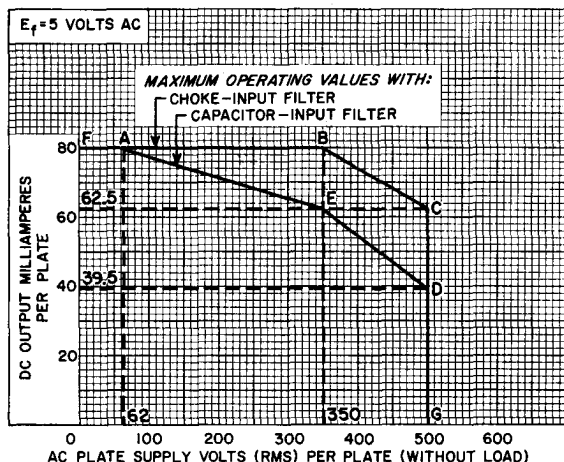
Filter-Input Choke.	-	10	henrys
Total Effective Plate Supply Impedance			
Per Plate	50	-	ohms
DC Output Voltage at input to filter	360	380	volts
DC Output Current	125	125	ma

→ Characteristics, Instantaneous Test Condition:

Tube-Voltage Drop for plate ma. = 125	
(Per plate)	50 volts

* values of capacitance greater than $20\mu f$ may be used, provided the plate supply impedance is increased to prevent exceeding the maximum peak-plate-current rating.

RATING CHART I

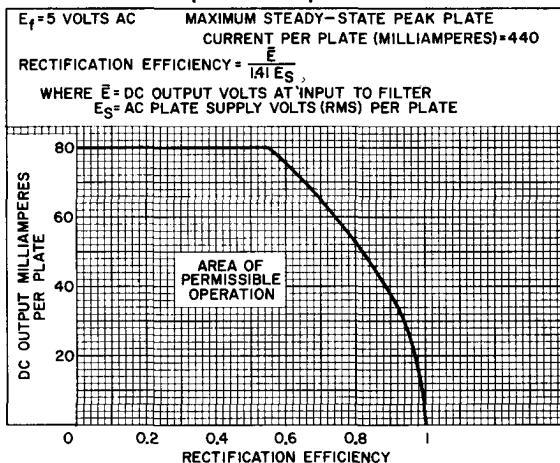


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→ Indicates a change.



RATING CHART II Capacitor-Input Filter



RATING CHART III Capacitor-Input Filter

