

Full-Wave Vacuum Rectifier

GENERAL DATA

Electrical:

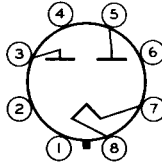
Filament, Coated:

Voltage (AC or DC) 5 volts
 Current 2 amp

Mechanical:

Operating Position Vertical, base down or up, or
 Horizontal with pins 1 and 4 in vertical plane
 Maximum Overall Length 4-5/8"
 Maximum Seated Length 4-1/16"
 Diameter 1.438" to 1.562"
 Bulb T12
 Base Short Medium-Shell Octal 8-Pin
 with External Barriers, Style B (JEDEC Group 1,
 No. B8-118), or Style A (JEDEC Group 1, No. B8-110)
 Basing Designation for BOTTOM VIEW 50

Pin 1 - No Connection
 Pin 2 - No Connection
 Pin 3 - Plate No. 2
 Pin 4 - No Connection



Pin 5 - Plate No. 1
 Pin 6 - No Connection
 Pin 7 - Filament
 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
 STEADY-STATE PEAK PLATE CURRENT
 PER PLATE 400 max. ma
 TRANSIENT PEAK PLATE CURRENT PER PLATE 2.2 max. amp
 DC OUTPUT CURRENT See Rating Chart

Typical Operation:

	With capacitor- input filter	With choke- input filter	
AC Plate-to-Plate Supply Voltage (RMS, without load)	700	1000	volts
Filter-Input Capacitor ^a	10	-	μf
Filter-Input Choke	-	10	henrys
Total Effective Plate Supply Impedance Per Plate	50	-	ohms



5Y4GA

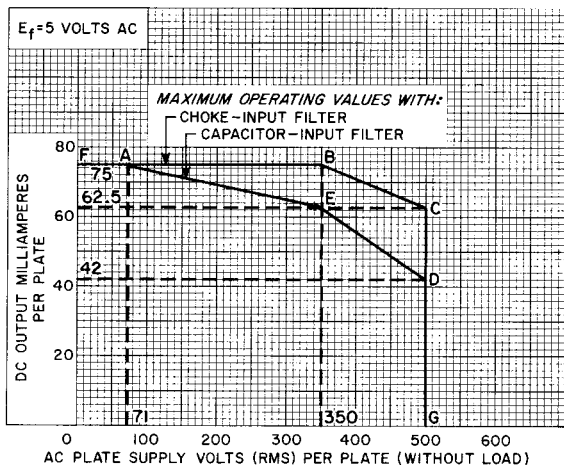
DC Output Voltage at input to filter.	350	390	volts
DC Output Current.	125	125	ma

Characteristics, Instantaneous Test Condition:

Tube-Voltage Drop for plate ma. = 125
(Per plate). 60 volts

^a Values of capacitance greater than 10 μ f may be used, provided the plate supply impedance is increased to prevent exceeding the maximum peak-plate-current rating.

RATING CHART



92CS-11208

