Protek 10/64

5Y4GA

Full-Wave Vacuum Rectifier

GENERAL DATA

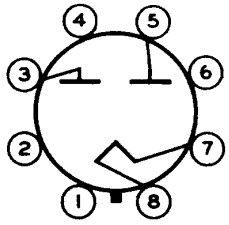
Electrical:

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	5Q

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

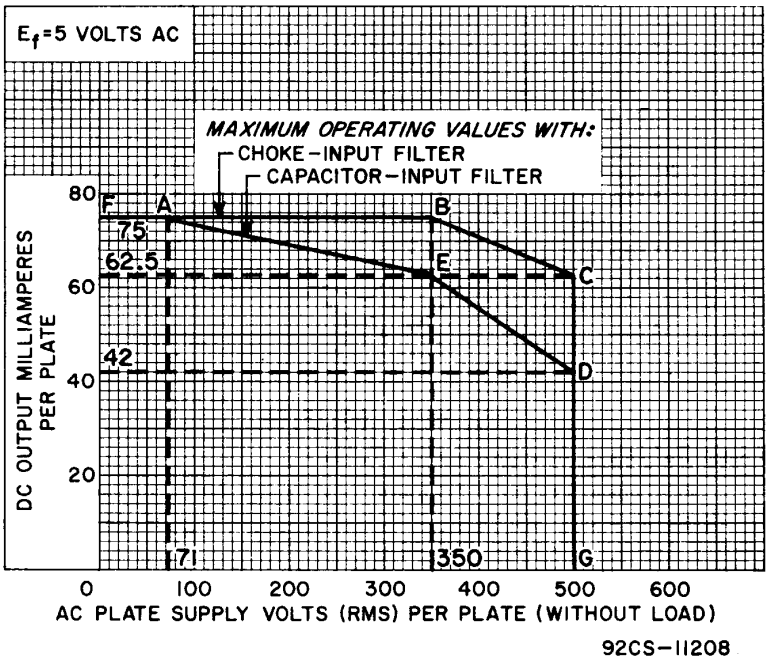
DC Output Voltage at input to filter	350	390	volts
DC Output Current	125	125	ma

Characteristics, Instantaneous Test Condition:

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

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

RATING CHART



92CS-11208