

## Full-Wave Gas Rectifier

METAL TYPE HAVING IONICALLY HEATED CATHODE

### GENERAL DATA

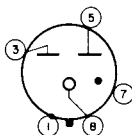
#### Electrical:

Cathode . . . . . Ionically Heated Type

#### Mechanical:

Operating Position. . . . . Any  
 Maximum Overall Length. . . . . 2-5/8"  
 Maximum Seated Length . . . . . 2-1/16"  
 Maximum Diameter. . . . . 1-5/16"  
 Dimensional Outline . . . . . See *General Section*  
 Envelope. . . . . Metal Shell MT8G  
 Base. . . . Small-Wafer Octal 5-Pin (JEDEC Group 1, No. B5-215)  
 Basing Designation for BOTTOM VIEW. . . . . 4R

Pin 1 - Shell  
 Pin 3 - Plate No. 2  
 Pin 5 - Plate No. 1



Pin 7 - No Connection  
 Pin 8 - Cathode

### FULL-WAVE RECTIFIER

**Maximum and Minimum Ratings, Design-Center Values Except as Noted:**

PEAK INVERSE PLATE VOLTAGE PER PLATE. . . . .	880	max.	volts
PEAK STARTING-SUPPLY VOLTAGE PER PLATE. . . . .	300 <sup>▲</sup>	min.	volts
PEAK PLATE CURRENT PER PLATE. . . . .	330	max.	ma
DC OUTPUT CURRENT . . . . .	{ 110	max.	ma
	{ 30 <sup>▲</sup>	min.	ma

#### Typical Operation:

*With vibrator-type power supply  
 and capacitor input to filter*

Peak Plate Supply Voltage Per Plate <sup>●</sup> . . . . .	440	volts
Filter-Input Capacitor. . . . .	8	μf
Total Effective Plate Supply Impedance Per Plate . . . . .	600	ohms
DC Output Voltage at input to filter. . . . .	310	volts
DC Output Current . . . . .	100	ma

#### Characteristics:

Tube Voltage Drop for plate ma. = 110 (Per plate) . . . . . 24 volts

#### Minimum Circuit Value:

Total Effective Plate  
 Supply Impedance Per Plate. . . . . 300 min. ohms

<sup>▲</sup> Absolute value. Under no circumstances should the tube be operated with less than this value.

<sup>●</sup> Open-circuit voltage—flat portion of transformer voltage wave.

