

Full-Wave Gas Rectifier

METAL TYPE HAVING IONICALLY HEATED CATHODE

GENERAL DATA

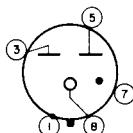
Electrical:

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 [▲]	min.	volts
PEAK PLATE CURRENT PER PLATE.	330	max.	ma
DC OUTPUT CURRENT	{ 110	max.	ma
	{ 30 [▲]	min.	ma

Typical Operation:

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

Peak Plate Supply Voltage Per Plate [●]	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 Values:

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

[▲] Absolute value. Under no circumstances should the tube be operated with less than this value.

[●] Open-circuit voltage—flat portion of transformer voltage wave.

