Full-Wave Gas Rectifier

METAL TYPE HAVING IONICALLY HEATED CATHODE

GENERAL DATA

Electrical:
Cathode ............... I onically 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 .................. 860 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 Value:

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.