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.BS-215)
Basing Designation for BOTTOM VIEW .................. 4R

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\(^\text{a}\) min. volts
PEAK PLATE CURRENT PER PLATE ......................... 270 max. ma
DC OUTPUT CURRENT ......................... 90 max. ma
DC OUTPUT CURRENT ......................... 30\(^\text{a}\) min. ma

Typical Operation:

With vibrator-type power supply and capacitor input to filter

Peak Plate Supply Voltage Per Plate ................ 380 volts
Filter-Inout Capacitor ................................. 8 \(\mu\)f
Total Effective Plate
Supply Impedance Per Plate ......................... 800 ohms
DC Output Voltage at input to filter ................ 275 volts
DC Output Current ......................... 65 ma

Characteristics:
Tube Voltage Drop for platea = 90 (Per plate) ........... 24 volts

Minimum Circuit Value:
Total Effective Plate Supply
Impedance Per Plate ......................... 300 min. ohms

\(^{\text{a}}\) Absolute value. Under no circumstances should the tube be operated with less than this value.
\(^{\text{b}}\) Open-circuit voltage—flat portion of transformer voltage wave.

Indicates a change.