

# TECHNICAL INFORMATION

**GAS-FILLED** DOUBLE DIODE

# **TYPE** 0Z4A/1003

# ellence in Electron

The OZ4A / 1003 is a gas-filled, double diode employing an ionic-heated cathode. Its principal application is as a full-wave power rectifier in equipment with vibrator type power supplies.

#### MECHANICAL DATA

ENVELOPE: MT-8 Metal BASE: Small Wafer Octal 5 - Pin **TERMINAL CONNECTIONS:** 

Pin 1 Shell Pin 6 No Connection Pin 3 Plate #2 Pin 5 Plate #1 Pin 8 Cathode

MOUNTING POSITION: Any

# **ELECTRICAL DATA**

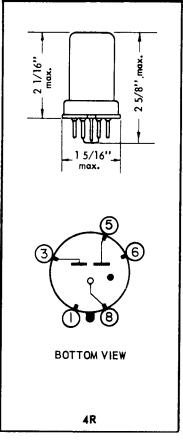
### DESIGN CENTER MAXIMUM RATINGS:

Max. Peak Inverse Plate Voltage	880	volts
Max. Peak Plate Current	330	ma.
Absolute Min. Peak Starting Voltage, per Plate		
(Full-Wave)	300	volts
Max. DC Output Current	110	ma.
Absolute Min. DC Output Current ●	30	ma.
Min. Total Effective Plate Supply Impedance,		
per Plate ♦	300	ohms

# CHARACTERISTICS AND TYPICAL OPERATION - VIBRATOR OPERATION - FULL-WAVE

Peak Plate Voltage, per Plate ▲	440 volts
Filter Input Condenser	8 μf
Total Effective Plate Supply Impedance, per Plate ♦	600 ohms
Average Dynamic Voltage Drop	24 volts
DC Output Current	100 ma.
DC Output Voltage	310 volts

- Under no circumstances should the tube be operated with less than 30 ma. of cathode current.
- ▲ Open Circuit Voltage flat portion of transformer voltage wave.
- ♦ Including vibrator, transformer and wiring.



Tentative Data