



*Excellence in Electronics*

**TYPE  
OZ4A/1003**

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 8 Cathode
Pin 5 Plate #1	

MOUNTING POSITION : Any

**ELECTRICAL DATA**

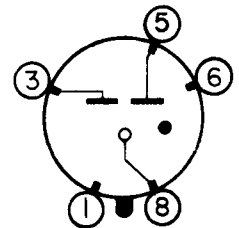
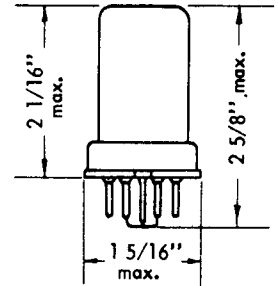
DESIGN CENTER MAXIMUM RATINGS:

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 $\mu$ t
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.



BOTTOM VIEW

4R

Tentative Data

RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS