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 3 Plate #2
- Pin 5 Plate #1
- Pin 6 No Connection
- 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.