RAYTHEON

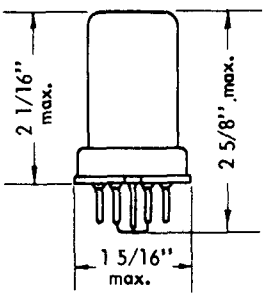
TECHNICAL INFORMATION

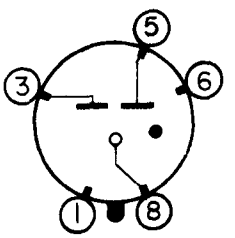
GAS-FILLED DOUBLE DIODE

Excellence in Electronics

TYPE 0Z4A/1003

The 0Z4A/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.





BOTTOM VIEW

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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 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