



Excellence in Electronics

**TYPE
CK709**

The CK709 is an assembly of four matched hermetically sealed germanium diodes intended for use as a bridge rectifier, a ring modulator, or as two pairs of two diodes in series. This assembly is designed for use in applications where low shunt capacitance, absence of heater voltage and resistance to changes in humidity and temperature* are important. Each diode is dynamically tested for hysteresis, drift, and flutter. These diodes have extremely uniform electrical characteristics and reliable mechanical stability.

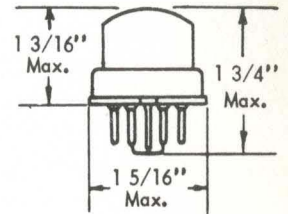
MECHANICAL DATA

ENVELOPE: MT-8 Metal Shell

BASE: Small Wafer Octal 8-Pin

TERMINAL CONNECTIONS: See Diagram

MOUNTING POSITION: Any



ELECTRICAL DATA

RATINGS - ABSOLUTE MAXIMUM VALUES: (at 25°C) ▲

- Inverse Voltage
- Average Rectified Current
- Peak Rectified Current
- Surge Current (for 1 sec.)
- Ambient Temperature Range

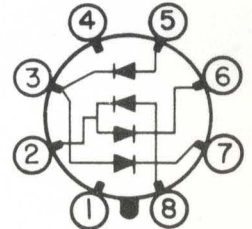
60 volts
 50 ma.
 150 ma.
 500 ma.
 -50 to +100 °C

CHARACTERISTICS: (at 25°C)

- At + 1.5 volts, the four crystals have been matched to within 2.5 percent.
- At - 10 volts, the four crystals have been matched to within 2.5 percent, or all have a resistance greater than 1.0 megohm.

* Each diode receives repeated humidity cycling, and additional temperature cycling ranging from -25°C to 130°C.

▲ Each diode.



BOTTOM VIEW

Tentative Data

RAYTHEON MANUFACTURING COMPANY
RECEIVING AND CATHODE RAY TUBE OPERATIONS