



Excellence in Electronics

**TYPE
CK711**

The CK711 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

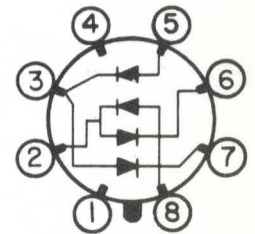
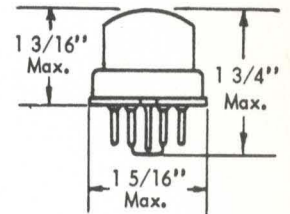
80 volts
 35 ma.
 100 ma.
 500 ma.
 - 50 to + 100 °C

CHARACTERISTICS: (at 25°C)

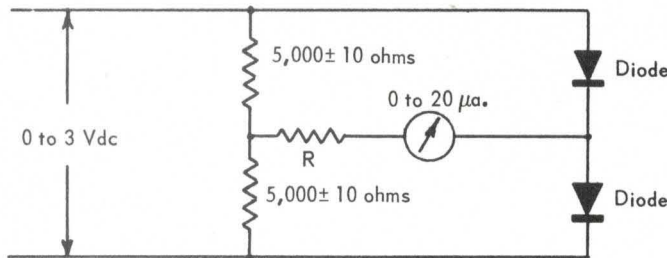
- Maximum Leakage Current at -50 V ▲
- Matched in Forward Direction as Follows:
 - Maximum current through meter in test circuit (see diagram below) at any input voltage from 0 to 3 V.

30 μa.

5 μa.



BOTTOM VIEW



R = 1520 ohms including meter.

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

▲ Each Diode

Tentative Data

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