



Excellence in Electronics

**TYPE
CK715**

The CK715 is a hermetically sealed point contact germanium diode designed for use as a frequency multiplier in television receivers. The CK715 is particularly applicable where small size, absence of heater voltage and resistance to changes in humidity and temperature* are important. Operable at temperatures up to 100°C, it can be heated as high as 125°C with no irreversible change in characteristics. The CK715 has extremely uniform electrical characteristics and reliable mechanical stability.

MECHANICAL DATA

TERMINALS: Dumet wire, Tinned to within 1/8" of barrel
Diameter: 0.017" max. Length: 1" min.

TERMINAL CONNECTIONS: White Band at Cathode Terminal

MOUNTING POSITION: Any

PLUG-IN EQUIVALENT: Available as CK715-P

ELECTRICAL DATA

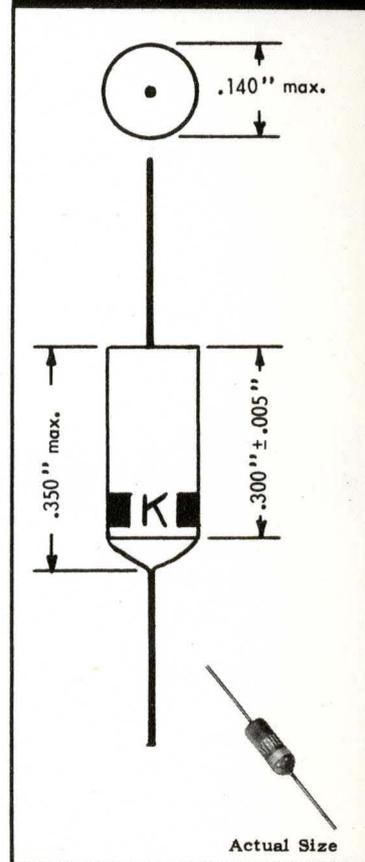
RATINGS - ABSOLUTE MAXIMUM VALUES: (at 25°C)

Inverse Voltage	40 volts
Average Rectified Current	35 ma.
Peak Rectified Current	125 ma.
Surge Current (for 1 sec.)	300 ma.
Ambient Temperature Range	- 50 to + 100 °C

CHARACTERISTICS:

Specially selected for efficient multiplying from VHF into UHF television band.

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



Tentative Data

RAYTHEON MANUFACTURING COMPANY
RECEIVING AND CATHODE RAY TUBE OPERATIONS