



Excellence in Electronics

TYPE 1N309

(CK747)

The 1N309 is a germanium Gold Bonded junction diode of small size designed for switching applications requiring extreme stability, fast switching, high forward current and high ratio to back to forward resistance.

MECHANICAL DATA

CASE: Metal and Glass

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

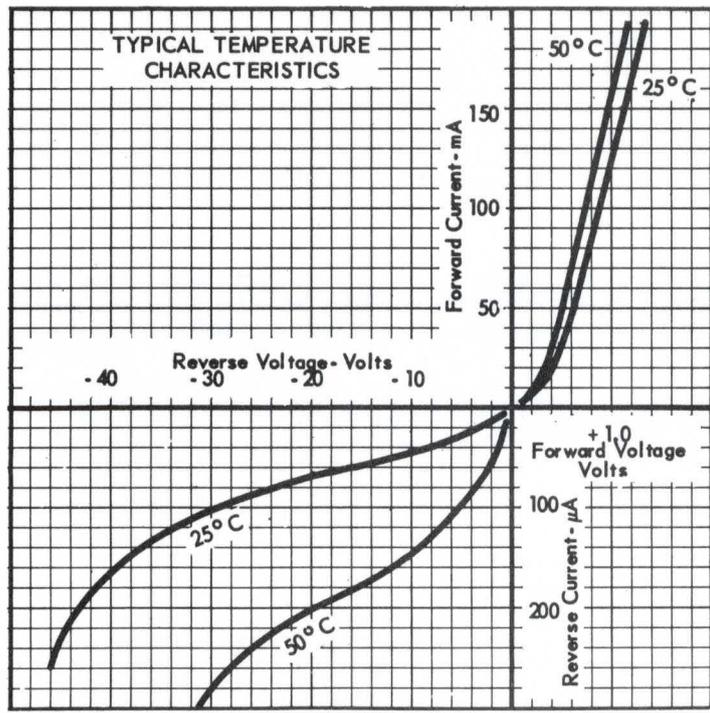
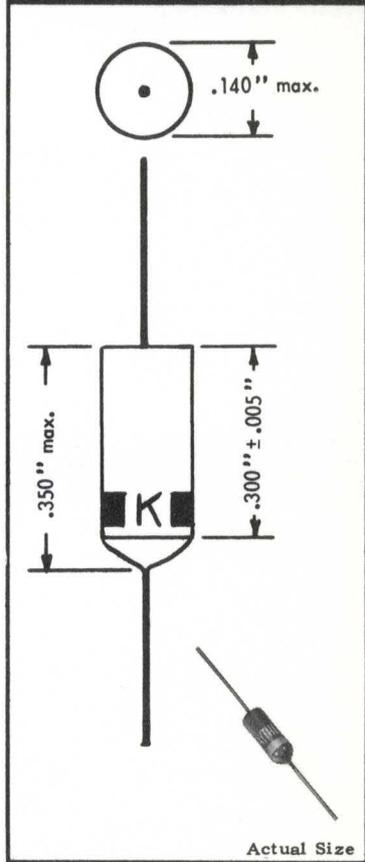
ELECTRICAL DATA

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

Peak Inverse Voltage	40 volts
Continuous Inverse Voltage	30 volts
Average Rectified Current	100 ma.
Peak Rectified Current	300 ma.
Surge Current (for 1 sec.)	500 ma.
Ambient Temperature Range	-10 to + 70 °C
Dissipations at:	
25°C	100 mw.
50°C	70 mw.

CHARACTERISTICS:

	55°C	25°C
Maximum Inverse Current at -20 volts	350	100 µa.
Minimum Forward Current at + 1 volt		100 ma.



Tentative Data