



Excellence in Electronics

TYPE 1N306

(CK 740)

The 1N306 is a hermetically sealed germanium Gold Bonded junction diode designed for general purpose applications and providing extreme stability, high forward current and high ratio of back to forward resistance. The flexible terminal leads may be soldered or welded directly to the terminals circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length.

MECHANICAL DATA

CASE: Metal and Glass

BASE: None (0.016" tinned dumet wire. Length: 1.0" min. Spacing: 0.08" center-to-center)

TERMINAL CONNECTIONS: (Black Dot is adjacent to Cathode Terminal)

MOUNTING POSITION: Any

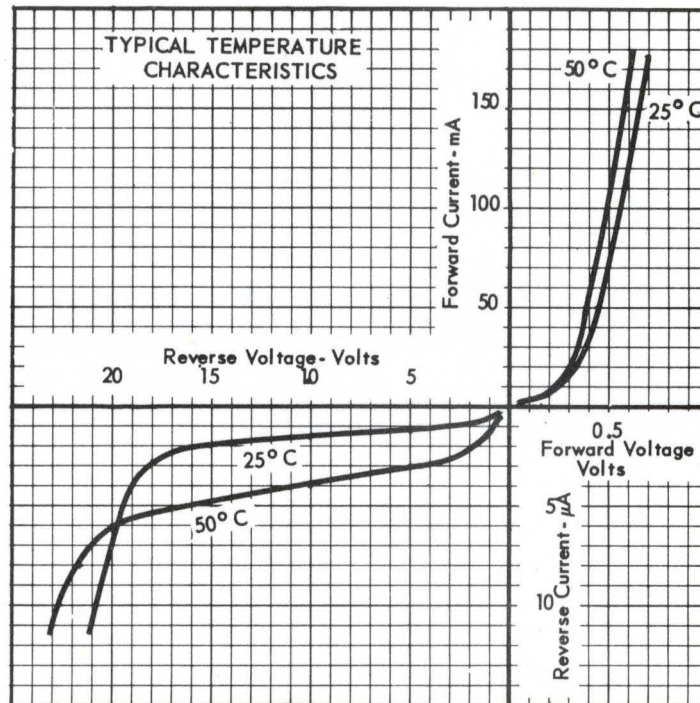
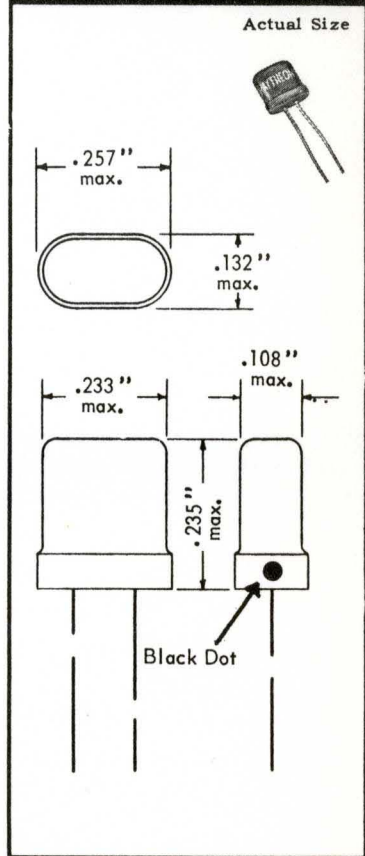
ELECTRICAL DATA

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

Peak Inverse Voltage	15 volts
Continuous Inverse Voltage	12 volts
Average Rectified Current	150 ma.
Peak Rectified Current	300 ma.
Surge Current (for 1 sec.)	500 ma.
Ambient Temperature Range	-10 to +70 °C
Dissipations at:	
25°C	150 mw.
50°C	100 mw.

CHARACTERISTICS: (at 25°C)

Maximum Inverse Current at -10 Volts	2 µa.
Minimum Forward Current at +0.8 Volts	100 ma.



Tentative Data