



Excellence in Electronics

TYPE 1N307

(CK742)

The 1N307 is a hermetically sealed germanium Gold Bonded junction diode designed for magnetic computer and similar applications where extremely low forward resistance and high reverse resistance characteristics are important.

MECHANICAL DATA

CASE: Metal and Glass

BASE: None (0.016" tinned dumet wire. Length: 1.0" min. Spacing: 0.080" center-to-center)

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

MOUNTING POSITION: Any

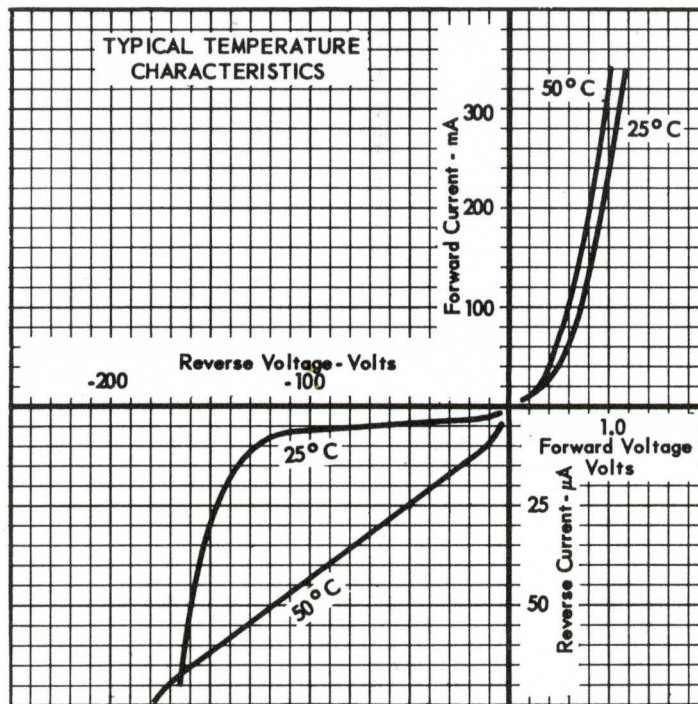
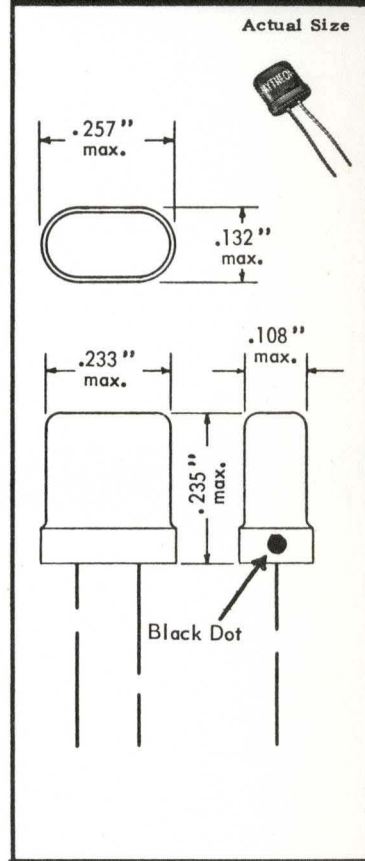
ELECTRICAL DATA

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

Peak Inverse Voltage	125 volts
Continuous Inverse Voltage	100 volts
Average Rectified Current	50 ma.
Peak Rectified Current	300 ma.
Surge Current (for 1 sec.)	500 ma.
Ambient Temperature Range	-10 to +70 °C
Dissipations at:	
25°C	50 mw.
50°C	35 mw.

CHARACTERISTICS: (at 25°C)

Maximum Inverse Current at -10 volts	5.0 μa.
Maximum Inverse Current at -100 volts	20 μa.
Minimum Forward Current at +1.0 volt	100 ma.



Tentative Data