



Excellence in Electronics

TYPE 1N305

(CK739)

The 1N305 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. The flexible terminal leads may be soldered or welded directly to the terminals of 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: 0.080" center-to-center)

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

MOUNTING POSITION: Any

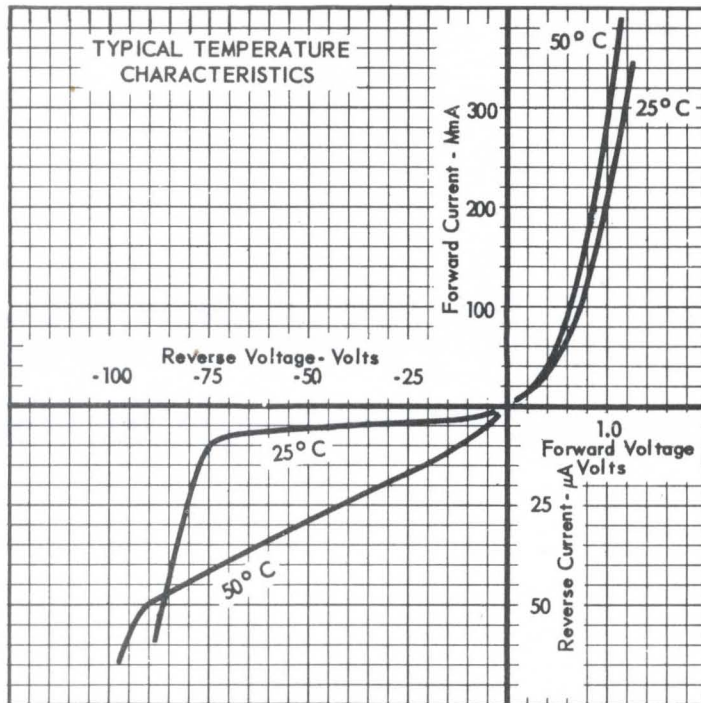
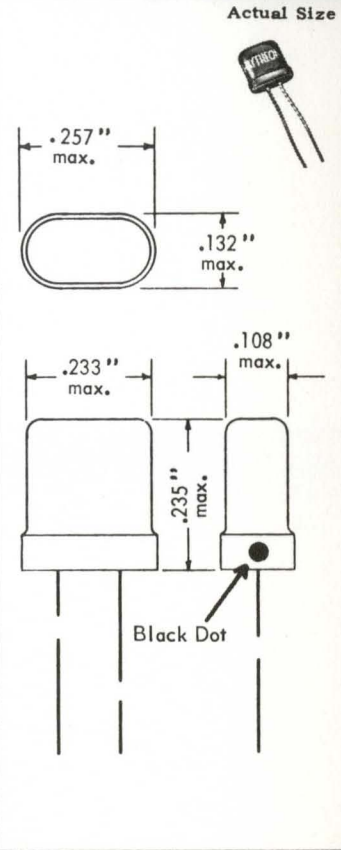
ELECTRICAL DATA

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

Peak Inverse Voltage	60 volts
Continuous Inverse Voltage	50 volts
Average Rectified Current	125 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	90 mw.

CHARACTERISTICS: (at 25°C)

Maximum Inverse Current at -10 volts	2.0 μa.
Maximum Inverse Current at -50 volts	20 μa.
Minimum Forward Current at +0.8 volt	100 ma.



Tentative Data

RAYTHEON MANUFACTURING COMPANY RECEIVING AND CATHODE RAY TUBE OPERATIONS