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. 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
- Continuous Inverse Voltage
- Average Rectified Current
- Peak Rectified Current
- Surge Current (for 1 sec.)
- Ambient Temperature Range
- Dissipation at:
  - 25°C
  - 50°C
CHARACTERISTICS: (at 25°C)
- Maximum Inverse Current at -10 volts
- Maximum Inverse Current at -100 volts
- Minimum Forward Current at +1.0 volt

TYPICAL TEMPERATURE CHARACTERISTICS

RAYTHEON MANUFACTURING COMPANY
RECEIVING AND CATHODE RAY TUBE OPERATIONS

May 2, 1955
NEWTON 58, MASS.