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 duralume 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: 500 ma.
  - Surge Current (for 1 sec.): 300 ma.
  - Ambient Temperature Range: -10 to +70 °C
  - Dissipation 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.