THE TECHNICAL INFORMATION

The IN308 is a germanium Gold Bonded junction diode of small size designed for switching applications requiring extreme stability, fast switching, high forward current and high ratio of back to forward resistance.

MECHANICAL DATA

CASE: Metal and Glass
TERMINALS: Dumet wire timed to within 1/8" of barrel
Diameter: 0.017" max. Length: 1" min.
TERMINAL CONNECTIONS: White Band at Cathode Terminal
MOUNTING POSITION: Any

ELECTRICAL DATA

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

- Peak Inverse Voltage: 10 volts
- Continuous Inverse Voltage: 8 volts
- Average Rectified Current: 100 ma.
- Peak Rectified Current: 350 ma.
- Surge Current (for 1 sec.): 500 ma.
- Ambient Temperature Range: -10 to +70°C
- Dissipations at:
  25°C: 55°C
  50°C: 25°C

CHARACTERISTICS: (at 25°C)

- Maximum Inverse Current at -8 volts: 1500 mA
- Minimum Forward Current at +1 volt: 500 microamps
- 300° at 0.005" max.
- 1.40" max.

TENTATIVE DATA

RAYTHEON MANUFACTURING COMPANY
RECEIVING AND CATHODE RAY TUBE OPERATIONS

March 22, 1955
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