New Jersey Semi-Conductor Products, Inc.

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1N51 GOLD BONDED GERMANIUM DIODE

FEATURES

Low forward voltage drop—low power consumption
Thirty years of proven reliability—one million hours mean time between failures (MTBF)
Very low noise level
Metallurgically bonded

ABSOLUTE MAXIMUM RATINGS (at 25 °C, unless otherwise specified)

Peak Inverse Voltage

50 Volts

Peak Forward Current

500 mA

Operating Temperature Range

- 65 °C to 85 °C

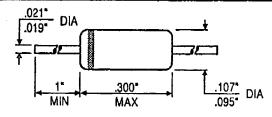
Average Power Dissipation

80 mW

ELECTRICAL CHARACTERISTICS

| | Symbol | Conditions | Min 1 | Max | Unit | T°C | |
|--|-----------------|------------------------|-------|------|--------------|-------------------------|--|
| Peak Inverse Voltage Reverse Current Forward Voltage | PIV Ir Vf | 1 mA 50 V 2.5 mA | 50 | 1600 | V μA V | 25 °C 25 °C 25 °C | |

MECHANICAL



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Quality Semi-Conductors