

New Jersey Semi-Conductor Products, Inc.

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1N44
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

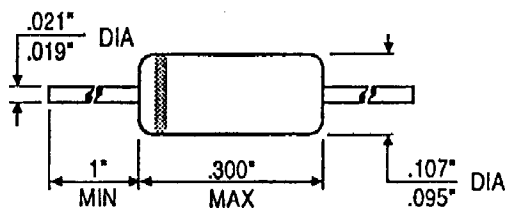
ABSOLUTE MAXIMUM RATINGS (at 25 °C, unless otherwise specified)

Peak Inverse Voltage 115 Volts
Peak Forward Current 500 mA
Operating Temperature Range - 65 °C to 85 °C
Average Power Dissipation 80 mW

ELECTRICAL CHARACTERISTICS

| | Symbol | Conditions | Min | Max | Unit | T °C |
|----------------------|----------------|------------|-----|-----|------|-------|
| Peak Inverse Voltage | PIV | 1 mA | 115 | | V | 25 °C |
| Reverse Current | I _r | 50 V | | 410 | μA | 25 °C |
| Forward Voltage | V _f | 3 mA | | 1 | V | 25 °C |

MECHANICAL



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

Quality Semi-Conductors