

New Jersey Semi-Conductor Products, Inc.

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1N47 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

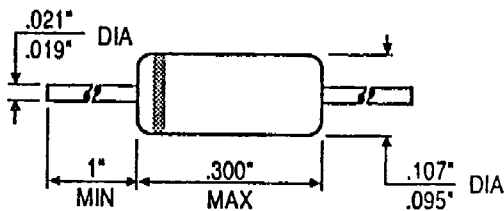
ABSOLUTE MAXIMUM RATINGS (at 25 °C, unless otherwise specified)

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	3 V		4	μA	25 °C
Reverse Current	I _r	50 V		400	μA	°C
Forward Voltage	V _f	5 mA		1	V	25 °C

MECHANICAL



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Quality Semi-Conductors