

# New Jersey Semi-Conductor Products, Inc.

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## 1N45 GOLD BONDED GERMANIUM DIODE

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### 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

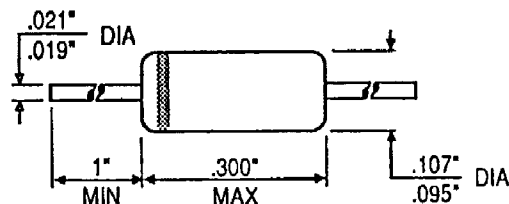
### ABSOLUTE MAXIMUM RATINGS (at 25 °C, unless otherwise specified)

Peak Inverse Voltage	75 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	75		V	25 °C
Reverse Current	I <sub>r</sub>	50 V		410	μA	25 °C
Forward Voltage	V <sub>f</sub>	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.

