

Type No. 1N142

T-01-07

**GOLD BONDED GERMANIUM DIODE**

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BKC International  
Electronics Inc.

**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

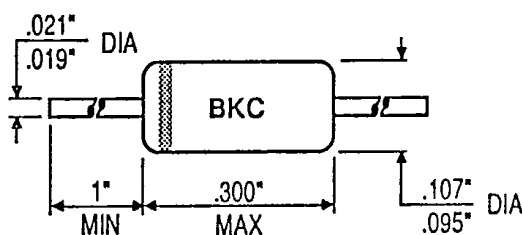
Metallurgically bonded

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

Peak Inverse Voltage	125 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	125		V	25 °C
Reverse Current	$I_r$	100 V		100	$\mu$ A	25 °C
Forward Voltage	$V_f$	5 mA		1	V	25 °C

**MECHANICAL**

Passes all mechanical and environmental requirements of MIL-S-19500, including shock and vibration.