

**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**

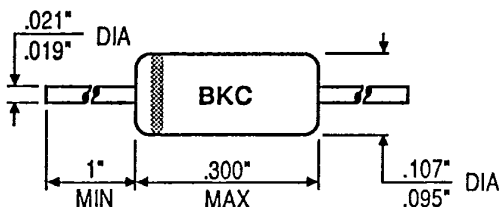
**Metallurgically bonded**

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

Peak Inverse Voltage	55 Volts
Peak Forward Current	500 mA
Operating Temperature	- 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	55		V	25 °C
Reverse Current	$I_r$	40 V		30	$\mu$ A	25 °C
Forward Voltage	$V_f$	10 mA		1.2	V	25 °C

**MECHANICAL**

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