

GOLD BONDED GERMANIUM DIODE

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BKC International
Electronics Inc.

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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)

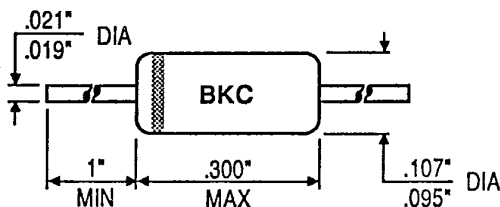
Peak Inverse Voltage	20 Volts
Peak Forward Current	500 mA
Operating Temperature	- 65 °C to 85 °C
Average Power Dissipation	80 mW

ELECTRICAL CHARACTERISTICS

	Symbol	Conditions	Min	Max	Unit	T °C
Peak Inverse Voltage	PIV	1 mA	20		V	25 °C
Reverse Current	I_r	10 V		20	μ A	25 °C
Forward Voltage	V_f	100 mA		0.75	V	25 °C
Reverse Recovery	T_{rr}	See note		70		

NOTE: If = 10, V_r = 1, Recover to 10 mA.

MECHANICAL



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

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