

Type No. 1N191

T-03-07

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

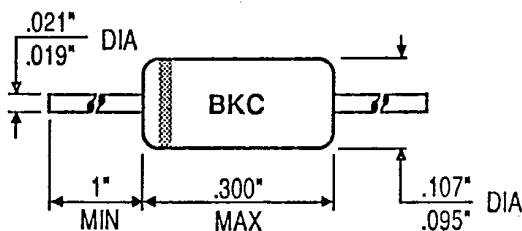
ABSOLUTE MAXIMUM RATINGS (at 25 °C, unless otherwise specified)

Peak Inverse Voltage	90 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	90		V	25 °C
Reverse Current	I_r	10 V		25	μ A	25 °C
Reverse Current	I_r	50 V		125	μ A	55 °C
Forward Voltage	V_f	5 mA		1	V	25 °C
Reverse Recovery	T_{rr}	See Note		500	n Sec	

Note: $I_f = 30$, $V_r = -35$, Recover to 50 k Ω .

MECHANICAL

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