

Type No. 1N191

T-03

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)

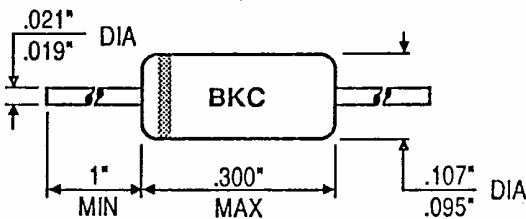
Peak Inverse Voltage	90 Volts
Peak Forward Current	500 mA
Operating Temperature Range	- 65 °C to 85 °C
Average Power Dissipation	80 mW

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	μA	25 °C
Reverse Current	I _r	50 V		125	μA	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 kΩ.

MECHANICAL



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