

Type No. 1N191

T-03

# GOLD BONDED GERMANIUM DIODE

6 Lake Street  
PO Box 1436  
Lawrence, MA 01841

Telephone (617) 681-0392  
TeleFax (617) 681-9135  
Telex 928377



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)

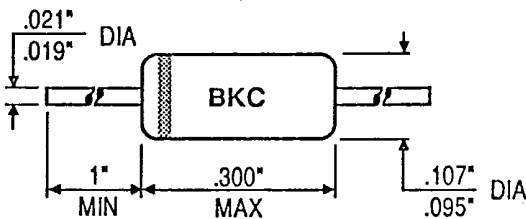
Peak Inverse Voltage	90 Volts
Peak Forward Current	500 mA
Operating Temperature Range	- 65 °C to 85 °C
Average Power Dissipation	80 mW

## ELECTRICAL CHARACTERISTICS

	Symbol	Conditions	Min	Max	Unit	T °C
Peak Inverse Voltage	PIV	1 mA	90		V	25 °C
Reverse Current	I <sub>r</sub>	10 V		25	μA	25 °C
Reverse Current	I <sub>r</sub>	50 V		125	μA	55 °C
Forward Voltage	V <sub>f</sub>	5 mA		1	V	25 °C
Reverse Recovery	T <sub>rr</sub>	See Note		500	n Sec	

Note: I<sub>f</sub> = 30, V<sub>r</sub> = -35, Recover to 50 kΩ.

## MECHANICAL



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