

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)

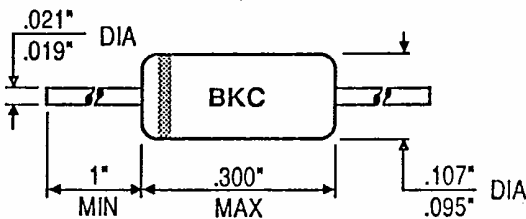
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|-----------------------------|------------------|
| Peak Inverse Voltage | 90 Volts |
| Peak Forward Current | 500 mA |
| Operating Temperature Range | - 65 °C to 85 °C |
| Average Power Dissipation | 80 mW |

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.