

Type No. 1N86

T-01-07

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

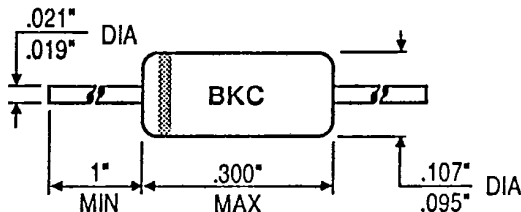
ABSOLUTE MAXIMUM RATINGS (at 25 °C, unless otherwise specified)

| | |
|-----------------------------|------------------|
| Peak Inverse Voltage | 70 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 | 70 | | V | 25 °C |
| Reverse Current | I _r | 10 V | | 50 | μA | 25 °C |
| Reverse Current | I _r | 50 V | | 833 | μA | °C |
| Forward Voltage | V _f | 4 mA | | 1 | V | 25 °C |

MECHANICAL



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