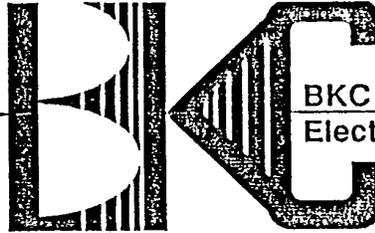


Type No. 1N112

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

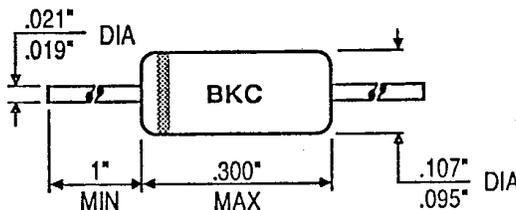
ABSOLUTE MAXIMUM RATINGS (at 25 °C, unless otherwise specified)

| | |
|-----------------------------|------------------|
| Peak Inverse Voltage | 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 | 55 °C |
| Reverse Current | I _r | 50 V | | 250 | μA | 55 °C |
| Forward Voltage | V _f | 5 mA | | 1 | V | 25 °C |

MECHANICAL



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