

# Type No. 1N60

## 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

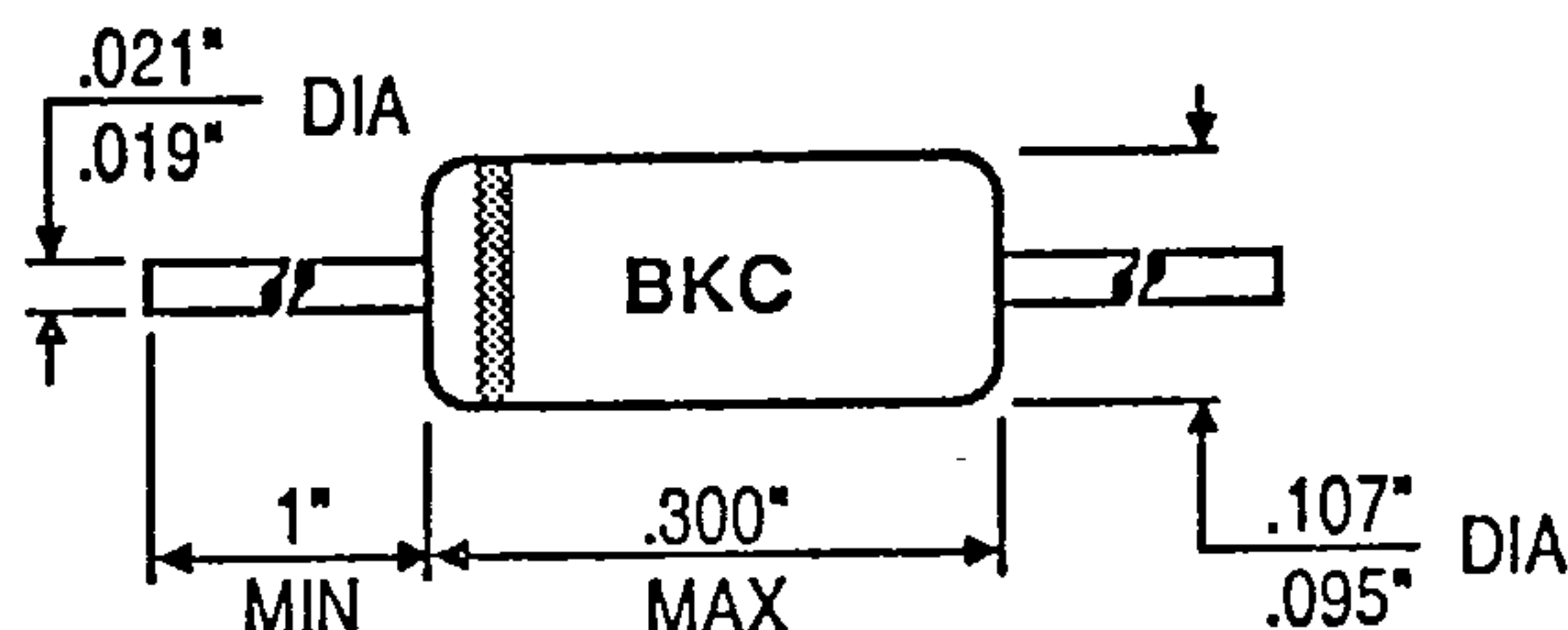
### ABSOLUTE MAXIMUM RATINGS (at 25 °C, unless otherwise specified)

|                             |                  |
|-----------------------------|------------------|
| Peak Inverse Voltage        | 50 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       | 50  |     | V    | 25 °C |
| Reverse Current      | I <sub>r</sub> | 20 V       |     | 40  | μA   | 25 °C |
| Forward Voltage      | V <sub>f</sub> | 5 mA       |     | 1   | V    | 25 °C |

### MECHANICAL



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