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Type No. AA118

**GOLD BONDED GERMANIUM DIODE**

6 Lake Street  
PO Box 1436  
Lawrence, MA 01841



BKC International  
Electronics Inc.

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

**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

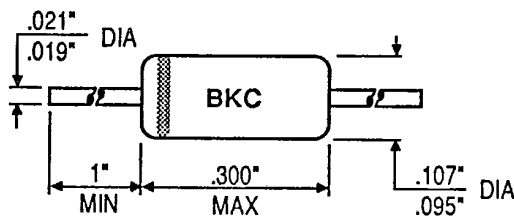
**ABSOLUTE MAXIMUM RATINGS** (at 25 °C, unless otherwise specified)

|                           |                  |
|---------------------------|------------------|
| Peak Inverse Voltage      | 90 Volts         |
| Peak Forward Current      | 500 mA           |
| Operating Temperature     | - 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> | 100 V      |     | 80  | 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.