

Type No. AA137

**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** 40 Volts

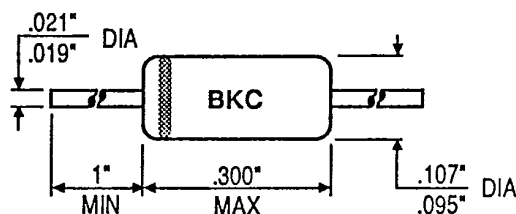
**Peak Forward Current** 500 mA

**Operating Temperature** - 65 °C to 85 °C

**Average Power Dissipation** 80 mW

**ELECTRICAL CHARACTERISTICS**

|                             | Symbol         | Conditions | Min | Max | Unit | T °C  |
|-----------------------------|----------------|------------|-----|-----|------|-------|
| <b>Peak Inverse Voltage</b> | PIV            | 1 mA       | 40  |     | V    | 25 °C |
| <b>Reverse Current</b>      | I <sub>r</sub> | 10 V       |     | 13  | μA   | 25 °C |
| <b>Forward Voltage</b>      | V <sub>f</sub> | 10 mA      |     | 0.9 | V    | 25 °C |

**MECHANICAL**

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