

Type No. AA139

**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**

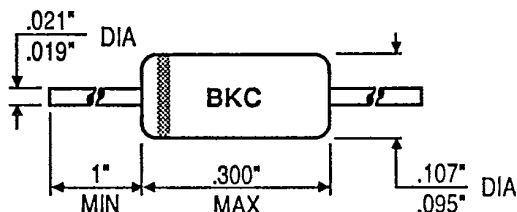
**Metallurgically bonded**

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

Peak Inverse Voltage	20 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	20		V	25 °C
Reverse Current	I <sub>r</sub>	20 V		100	μA	25 °C
Forward Voltage	V <sub>f</sub>	10 mA		0.5	V	25 °C

**MECHANICAL**

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