

Type No. AAY33

## 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)

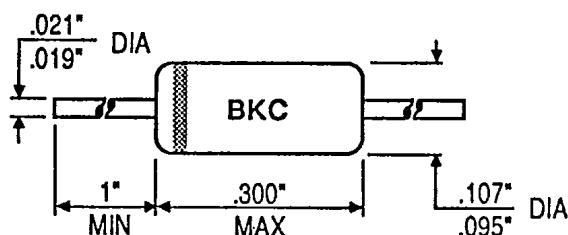
Peak Inverse Voltage	12 Volts
Peak Forward Current	500 mA
Operating Temperature	- 65 °C to 85 °C
Average Power Dissipation	80 mW

### ELECTRICAL CHARACTERISTICS

	Symbol	Conditions	Min	Max	Unit	T °C
Peak Inverse Voltage	PIV	1 mA	12		V	25 °C
Reverse Current	I <sub>r</sub>	7 V		10	μA	25 °C
Forward Voltage	V <sub>f</sub>	10 mA		0.42	V	25 °C
Reverse Recovery	T <sub>rr</sub>	See note		12		

NOTE: I<sub>f</sub> = 10, V<sub>r</sub> = 1, Recover to 1 mA.

### MECHANICAL



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