

Type No. AAY42

## GOLD BONDED GERMANIUM DIODE

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Lawrence, MA 01841



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Electronics Inc.

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### 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)

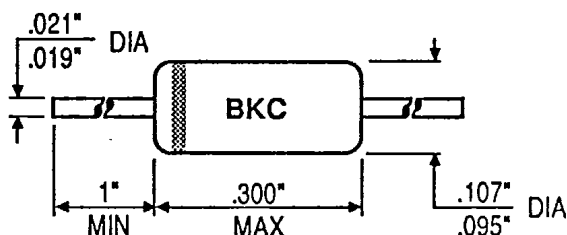
Peak Inverse Voltage	50 Volts
Peak Forward Current	500 mA
Operating Temperature	- 65 °C to 85 °C
Average Power Dissipation	80 mW

### ELECTRICAL CHARACTERISTICS

	Symbol	Conditions	Min	Max	Unit	T °C
Peak Inverse Voltage	PIV	1 mA	50		V	25 °C
Reverse Current	$I_r$	25 V		10	$\mu$ A	25 °C
Forward Voltage	$V_f$	50 mA		0.6	V	25 °C
Reverse Recovery	$T_{rr}$	See note		40		

NOTE:  $I_f = 10$ ,  $V_r = 1$ , Recover to 10 mA.

### MECHANICAL



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