

Type No. AAY33

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)

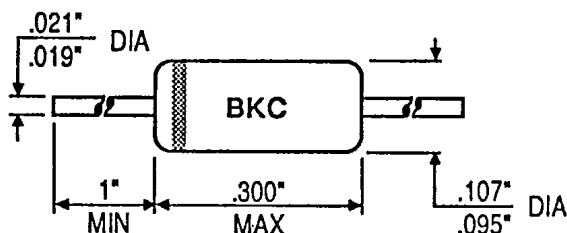
Peak Inverse Voltage	12 Volts
Peak Forward Current	500 mA
Operating Temperature	- 65 °C to 85 °C
Average Power Dissipation	80 mW

ELECTRICAL CHARACTERISTICS

	Symbol	Conditions	Min	Max	Unit	T °C
Peak Inverse Voltage	PIV	1 mA	12		V	25 °C
Reverse Current	I _r	7 V		10	μA	25 °C
Forward Voltage	V _f	10 mA		0.42	V	25 °C
Reverse Recovery	T _{rr}	See note		12		

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

MECHANICAL



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