



6 Lake Street
PO Box 1436
Lawrence, MA
USA 01841

Telephone (617) 681-0392 • TeleFax (617) 681-9135 • Telex 928377

GOLD BONDED DIODES

TYPE 1N3469

- 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

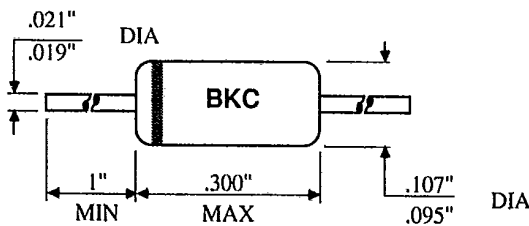
ABSOLUTE MAXIMUM RATINGS

Peak Inverse Voltage	35V	@ 25 °C
Peak Forward Current	600mA	unless
Operating Temperature Range	-40°C to 85°C	otherwise
Average Power Dissipation	80mW	specified

ELECTRICAL CHARACTERISTICS

	Symbol	Conditions	Min.	Max.	Unit	T °C
Peak Inverse Voltage	PIV	100uA	35		V	25°
Inverse Current	I _r	20V		15	uA	25°
Forward Voltage	V _f	25mA		.5	V	25°
Forward Voltage	V _f	600mA		1.0	V	25°

MECHANICAL



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

Type No. 1N3470

T-01-07

GOLD BONDED GERMANIUM DIODE

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BKC International
Electronics Inc.

FEATURES

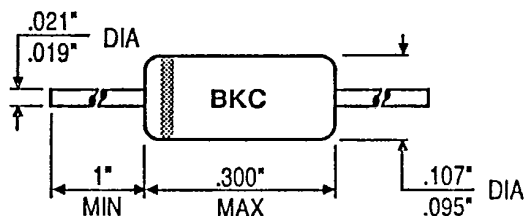
- Low forward voltage drop—low power consumption
- Thirty years of proven reliability—one million hours mean time between failures (MTBF)
- Very low noise level
- Metallurgically bonded

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

Peak Inverse Voltage	35 Volts
Peak Forward Current	500 mA
Operating Temperature Range	- 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	35		V	25 °C
Reverse Current	I_r	20 V		30	μ A	25 °C
Forward Voltage	V_f	600 mA		.5	V	25 °C

MECHANICAL

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

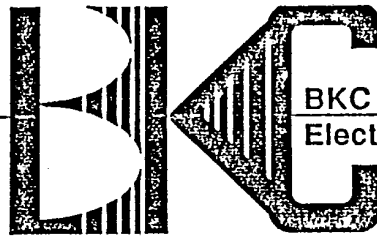
Type No. 1N3483

T-01-07

GOLD BONDED GERMANIUM DIODE

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FEATURES

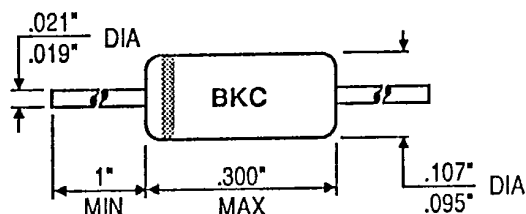
Low forward voltage drop—low power consumption
Thirty years of proven reliability—one million hours mean time between failures (MTBF)
Very low noise level
Metallurgically bonded

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

Peak Inverse Voltage	8 Volts
Peak Forward Current	500 mA
Operating Temperature Range	- 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	8		V	25 °C
Reverse Current	I _r	3 V		10	μA	25 °C
Forward Voltage	V _f	10 mA		.6	V	25 °C

MECHANICAL

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

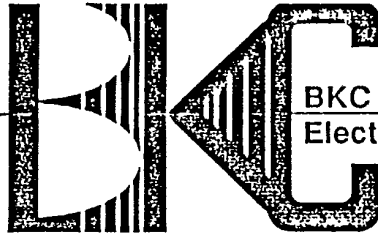
Type No. 1N3592

T-03-07

GOLD BONDED GERMANIUM DIODE

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

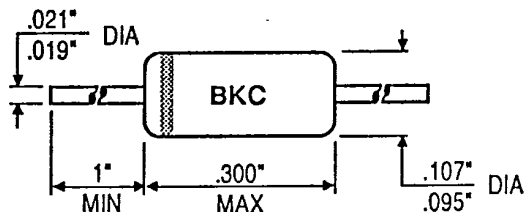
Peak Inverse Voltage	25 Volts
Peak Forward Current	500 mA
Operating Temperature Range	- 65 °C to 85 °C
Average Power Dissipation	80 mW

ELECTRICAL CHARACTERISTICS

	Symbol	Conditions	Min	Max	Unit	T °C
Peak Inverse Voltage	PIV	1 mA	25		V	25 °C
Reverse Current	I _r	4.5 V		4	μA	25 °C
Forward Voltage	V _f	15 mA		.5	V	25 °C
Reverse Recovery	T _{rr}	See note		40		

NOTE: I_f = 2, V_r = 2, Recover to .

MECHANICAL



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