

BKC INTERNATIONAL ELECTRONICS, INC.  
6 LAKE STREET, LAWRENCE, MA 01841  
TEL NO. (508) 681-0392

ENGINEERING DATA SHEET

TYPE

1N100A

GOLD BONDED, GERMANIUM, DIODE

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ABSOLUTE MAXIMUM RATINGS

PEAK REVERSE VOLTAGE	100V
CONTINUOUS INVERSE OPERATING VOLTAGE	80V
RECURRENT PEAK FORWARD (60 CYCLES, 1/2 WAVE)	250mA
FORWARD SURGE CURRENT (1 SECOND)	400mA
POWER DISSIPATION	80mW
DERATING FACTOR ABOVE +25 DEGREES CELSIUS	10mW/10 DEGREES CELSIUS
OPERATING TEMPERATURE	-78 TO +90 DEGREES CELSIUS
STORAGE TEMPERATURE	-78 TO +100 DEGREES CELSIUS

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CHARACTERISTICS

PARAMETER	VF	IR	IR	PIV
CONDITION	40mA	5V	50V	1mA
TA	25C	25C	25C	25C
LIMITS				
MIN.	---	---	---	100V
MAX.	1V	5uA	50uA	---

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PACKAGE CONFIGURATION

GLASS CASE JEDEC DO-7  
(INCHES)

LEAD LENGTH	1.125 MAX
LEAD DIAMETER	.020 +-.002
BODY LENGTH	.270 MAX.
BODY DIAMETER	.095 MAX.

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MARKING

BLACK CATHODE BAND & BLACK DIGITAL PRINT