

## GMBD3004\A\C\S

SURFACE MOUNT, SWITCHING DIODE

VOLTAGE 350V, CURRENT 0.225A

### Description

The GMBD3004\A\C\S are designed for ultra high speed switching.

### Package Dimensions

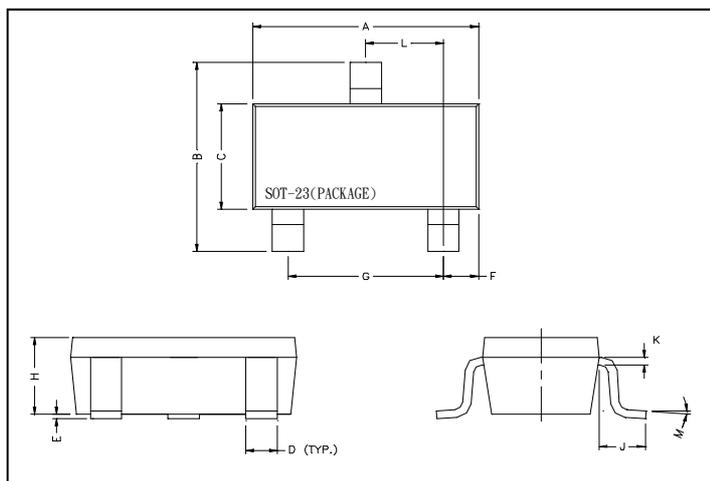
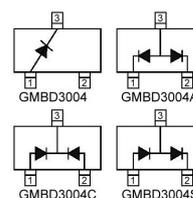
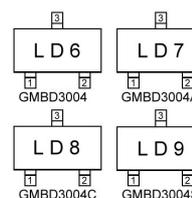


Diagram:



Marking:



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.70	3.10	G	1.90	REF.
B	2.40	2.80	H	1.00	1.30
C	1.40	1.60	K	0.10	0.20
D	0.35	0.50	J	0.40	-
E	0	0.10	L	0.85	1.15
F	0.45	0.55	M	0°	10°

### Absolute Maximum Ratings (At TA = 25°C unless otherwise specified)

Parameter	Symbol	Ratings	Unit
Max. Repetitive Peak Reverse Voltage	VRRM	350	V
Max. RMS Voltage	VRMS	212	V
Max. DC Blocking Voltage	VDC	300	V
Max. Average Forward Rectified Current	IO	225	mA
Non-Repetitive Peak Forward surge Current @Tp = 1.0us @Tp=1.0s	IFSM	4	A
		1	
Typical Junction Capacitance between Terminal (Note1)	CJ	5.0	pF
Max. Reverse Recovery Time (Note2)	TRR	50	nSec
Power Dissipation	PD	350	mW
Thermal Resistance Junction to Ambient Air	RθJA	357	°C/W
Operation and Storage Temperature Range	TJ, TSTG	-65 ~ +150	°C

### Electrical Characteristics (At TA = 25°C unless otherwise noted)

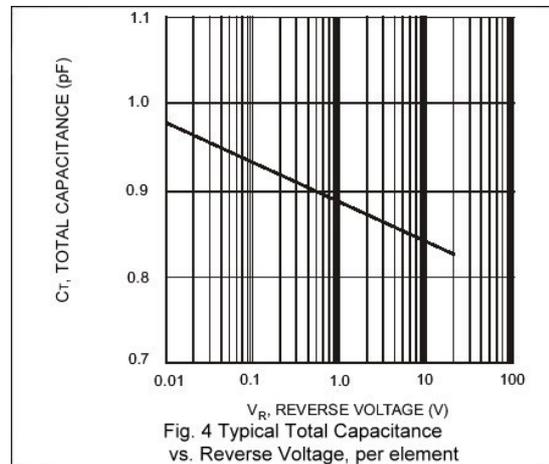
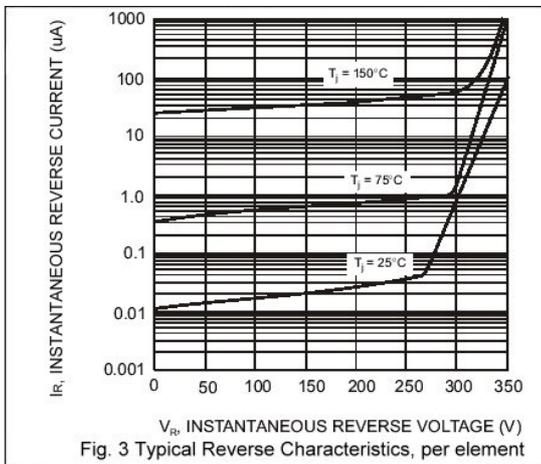
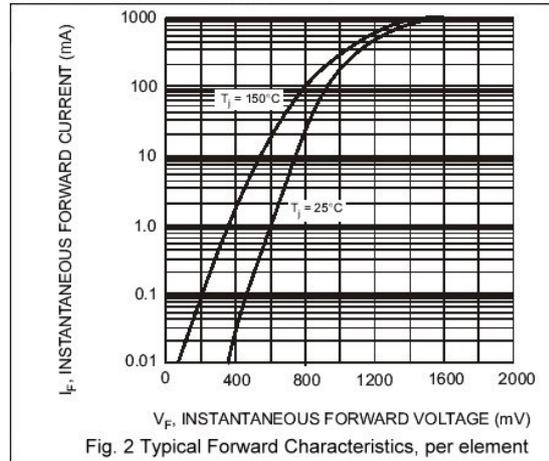
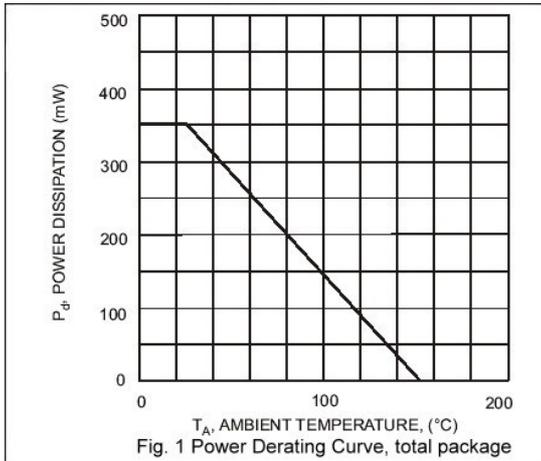
Characteristics	Symbol	Min.	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	BVR	350	-	V	IR=150uA
Max. instantaneous Forward Voltage	VF	-	1.0	V	IF = 100mA
Max. Average Reverse Current	IR	-	100	nA	VR = 240V, TA=25°C
			100	uA	VR = 240V, TA=150°C

Notes: 1. Measured at 1.0 MHz and applied reverse voltage of 0 volts.

2. Measured at applied forward current of 30mA, reverse current of 30mA, RL=100Ω and recovery to IRR=-3mA.

3. ESD sensitive product handling required.

## Characteristics Curve



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