

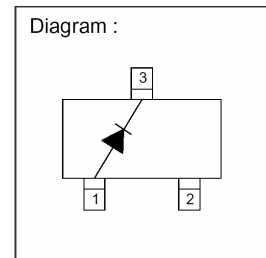
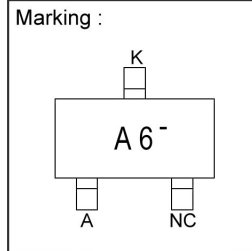
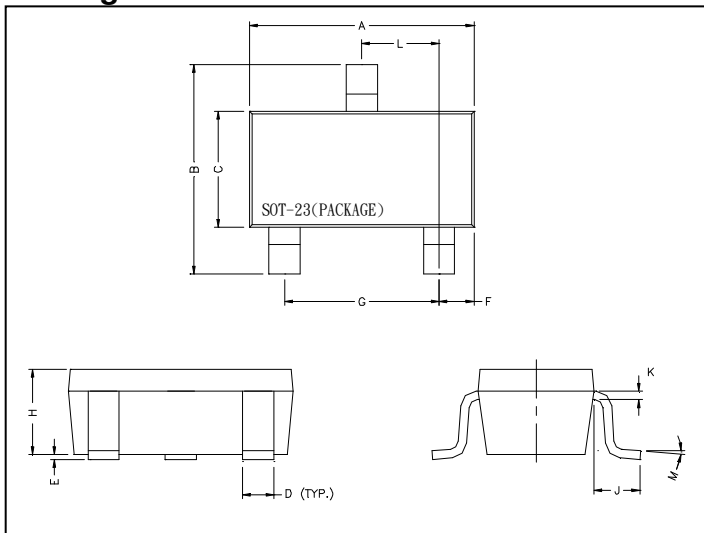
# GBAS16

## SURFACE MOUNT, SWITCHING DIODE VOLTAGE 85V, CURRENT 250mA

### Description

The GBAS16 is designed for high-speed switching application in hybrid thick and thin-film circuits. The devices is manufactured by the silicon epitaxial planar process and packed in a plastic surface mount package.

### Package Dimensions



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

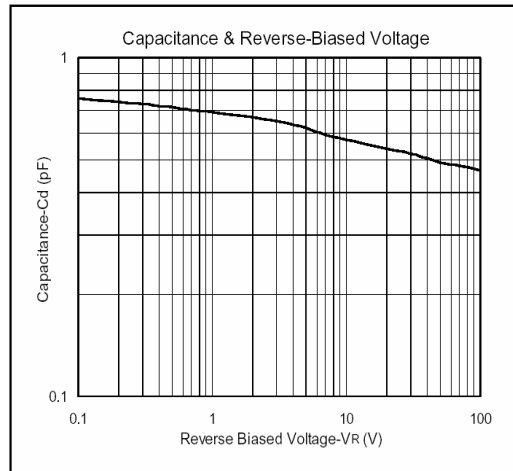
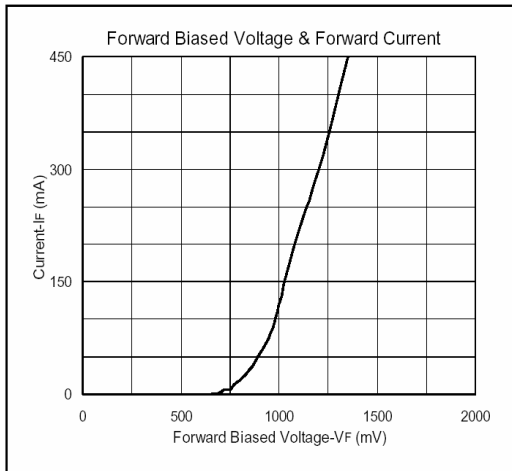
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-65 ~ +150	°C
Reverse Voltage	VR	85	V
Repetitive Reverse Voltage	VRRM	85	V
Forward Current	Io	250	mA
Repetitive Forward Current	IFM	500	mA
Forward Surge Current (1ms)	IFSM	1000	mA
Total Power Dissipation(Note1)	PD	350	mW

Note 1. Device mounted on FR-4=1.6\*1.6\*0.06in

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

Characteristic	Symbol	Min.	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	V(BR)	85	-	V	IR=100uA
Forward Voltage	VF(1)	-	715	mV	IF=1mA
	VF(2)	-	855	mV	IF=10mA
	VF(3)	-	1000	mV	IF=50mA
	VF(4)	-	1250	mV	IF=150mA
Reverse Current	IR	-	1	uA	VR=85V
Total Capacitance	CT		2	pF	VR=0, f=1MHz
Reverse Recovery Time	Trr	-	6	nS	IF=IR=10mA, RL=100Ω measured at IR=1mA

## Characteristics Curve



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**Head Office And Factory:**

- **Taiwan:** No. 17-1 Tatung Rd. Fu Kou Hsin-Chu Industrial Park, Hsin-Chu, Taiwan, R. O. C.
- TEL : 886-3-597-7061 FAX : 886-3-597-9220, 597-0785
- **China:** (201203) No.255, Jang-Jiang Tsai-Lueng RD. , Pu-Dung-Hsin District, Shang-Hai City, China
- TEL : 86-21-5895-7671 ~ 4 FAX : 86-21-38950165