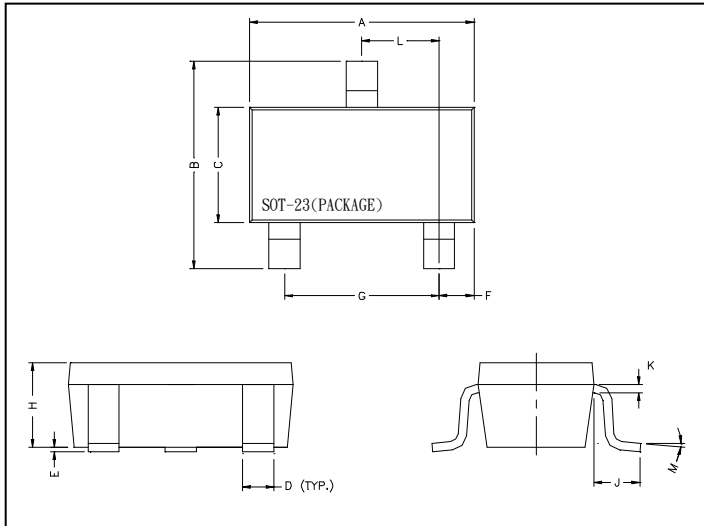


GBAS70/A/C/S

Description

Silicon Schottky Barrier Diodes .

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°

Marking :

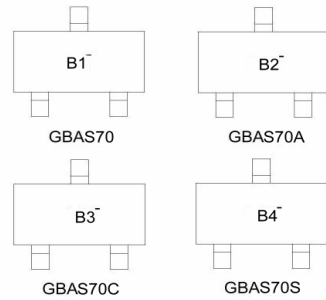
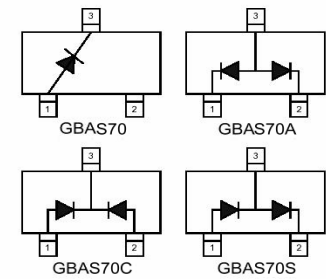


Diagram:



Style : Pin 1.Anode 2.Cathode 3.Common Connection

Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Maximum Operating Temperature Range	T _j	+125	°C
Storage Temperature Range	T _{stg}	-65 ~ +125	°C
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	70	V
Maximum RMS Voltage	V _{RMS}	49	V
Maximum DC Blocking Voltage	V _{DC}	70	V
Maximum Average Forward Rectified Current	I _o	70	mA
Peak Forward Surge Current at 1Sec.	I _{FSM}	100	mA
Typical Junction Capacitance between Terminal(Note 1)	C _j	2.0	pf
Maximum Reverse Recovery Time(Note 2)	T _{RR}	5.0	nSec
Total Power Dissipation at T _a = 25°C	PD	230	mW

Characteristics at T_a = 25°C

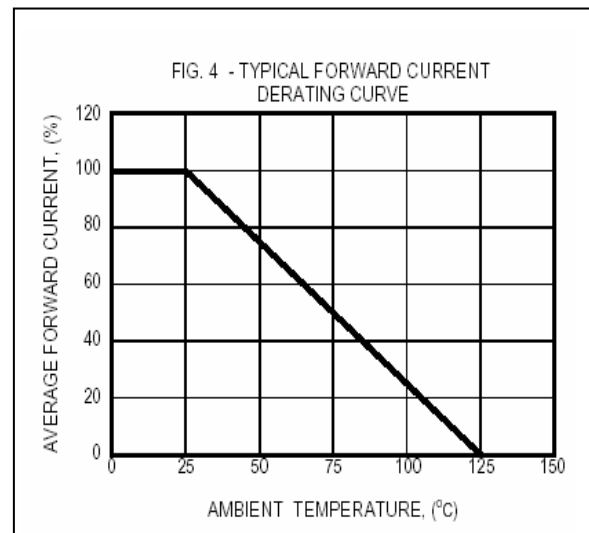
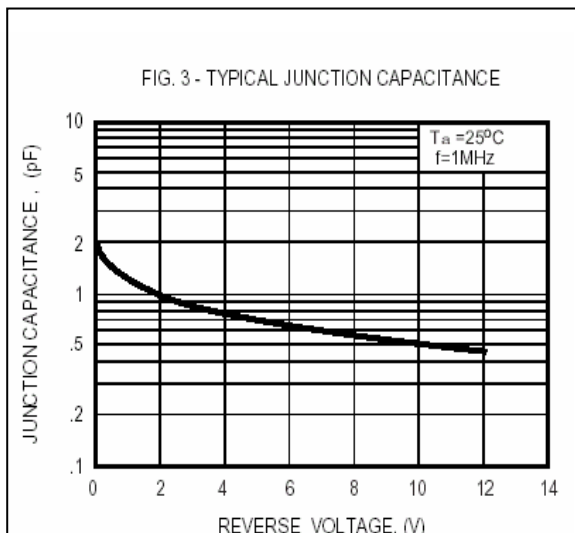
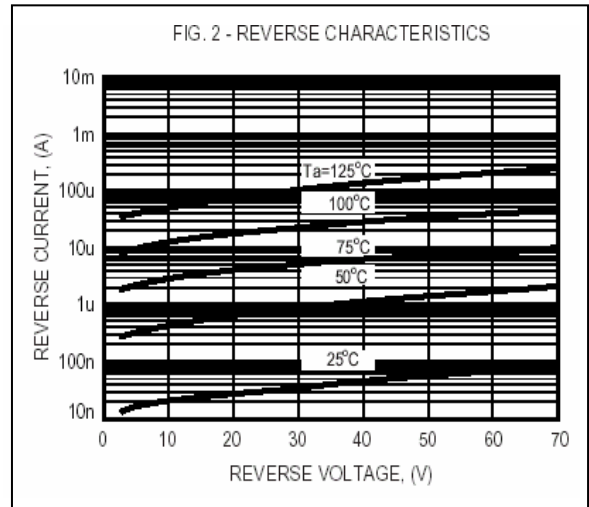
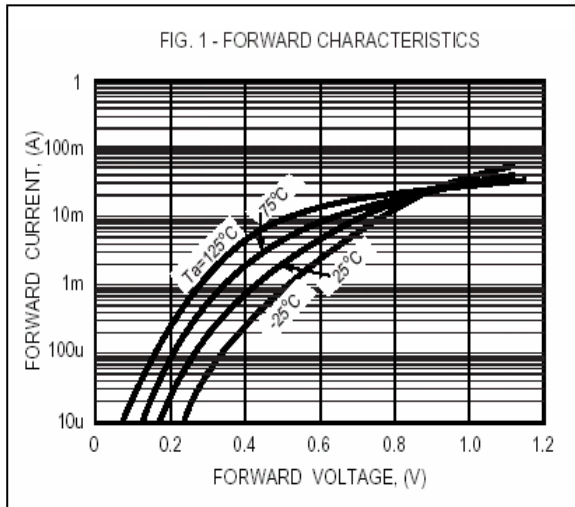
characteristics		Symbol		Unit
Maximum Instantaneous Forward Voltage	@IF=1.0mA	V _F	410	mVolts
	@IF=40mA		1000	
Maximum Average Reverse Current at V _R =50V		I _R	100	nAmps

NOTES:1.Measured at 1.0MHz and applied reverse voltage of 0.0 Volts.

2.Measured at applied forward current of 10mA and reverse current of 10mA.

3.ESD sensitive product handling required.

Characteristics Curve



Important Notice:

- All rights are reserved. Reproduction in whole or in part is prohibited without the prior written approval of GTM.
- GTM reserves the right to make changes to its products without notice.
- GTM semiconductor products are not warranted to be suitable for use in life-support Applications, or systems.
- GTM assumes no liability for any consequence of customer product design, infringement of patents, or application assistance.

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 FAX : 86-21-38950165