

# GTM CORPORATION

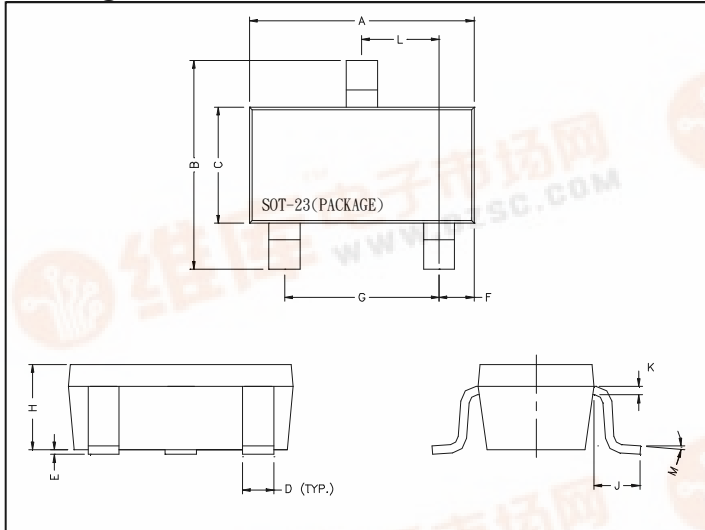
ISSUED DATE :2006/04/10  
REVISD DATE :

## GP202K SURFACE MOUNT, SWITCHING DIODE VOLTAGE 80V, CURRENT 0.1A

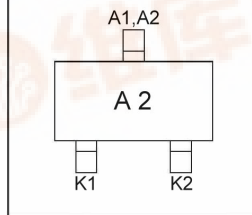
### Description

The GP202K is designed for ultra high speed switching.

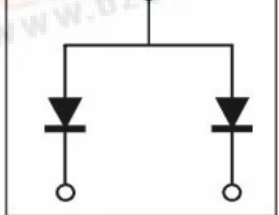
### Package Dimensions



Marking:



Circuit:



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°

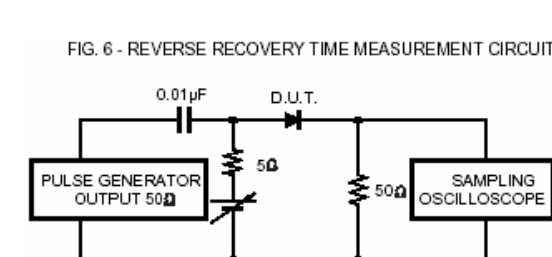
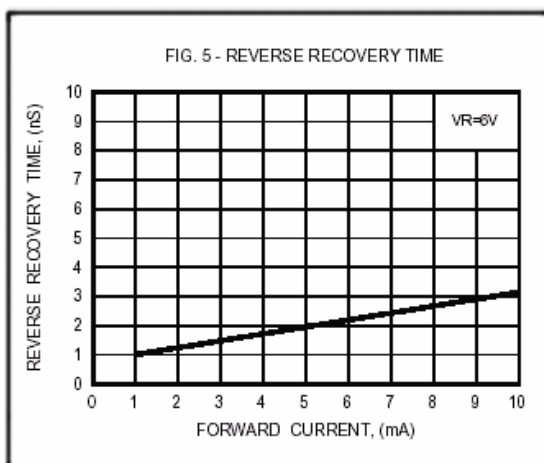
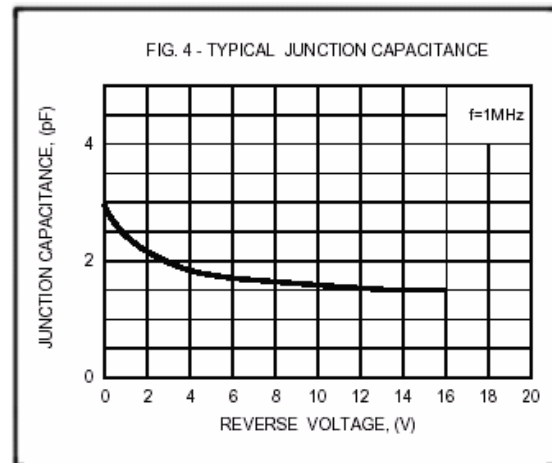
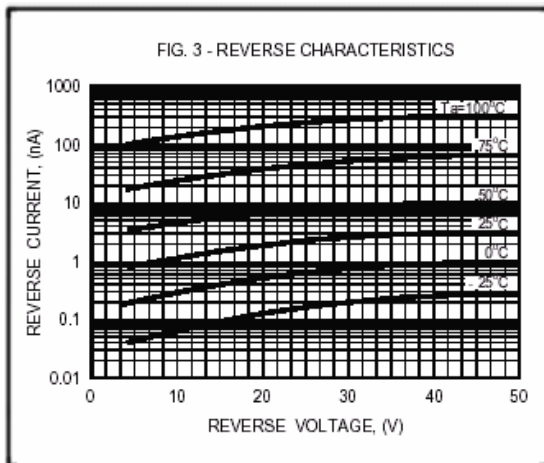
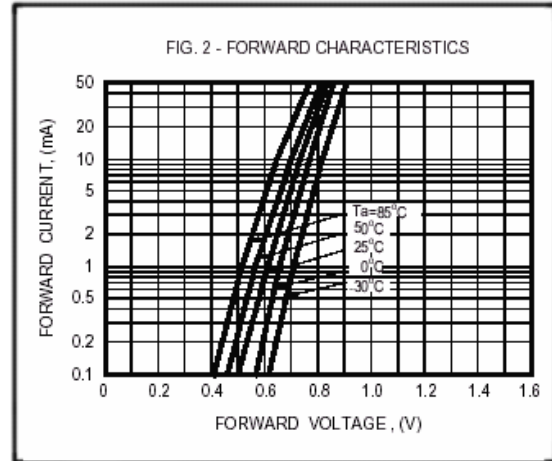
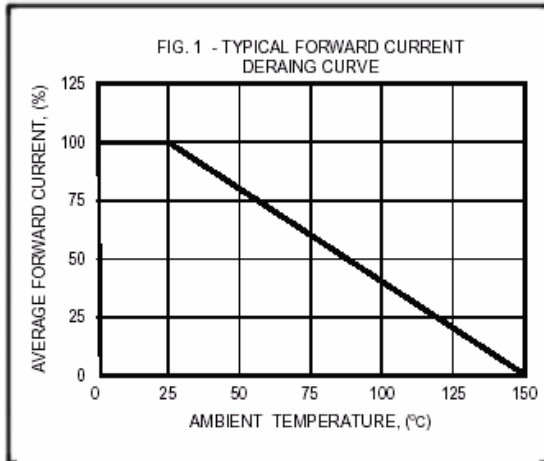
### Absolute Maximum Ratings at TA = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Peak Reverse Voltage	VRM	80	V
DC Reverse Voltage	VR	80	V
Mean Rectifying Current	Io	100	mA
Peak Forward Current	IFM	300	mA
Peak Forward Surge Current (1uSec)	IFSM	4	A
Total Power Dissipation	Pd	200	mW

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

Parameter	Symbol	Min.	Max.	Unit	Test Conditions
Reverse Voltage	VR	80	-	V	IR=100uA
Forward Voltage	VF	-	1.2	V	IF=100mA
Reverse Current	IR	-	0.1	uA	VR=70V
Capacitance between terminals	CT	-	3.5	pF	VR=6V, f=1MHz
Reverse Recovery Time	Trr	-	4	nS	VR=6V, IF=5mA

## 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