GTM CORPORATION

ISSUED DATE :2004/09/24
REVISED DATE :

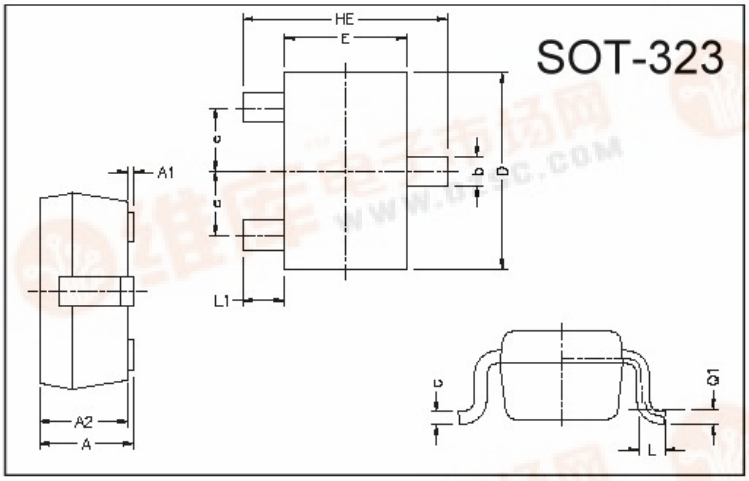
GSP202U

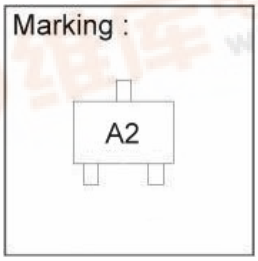
SURFACE MOUNT, SWITCHING DIODE
VOLTAGE 80V, CURRENT 0.1A

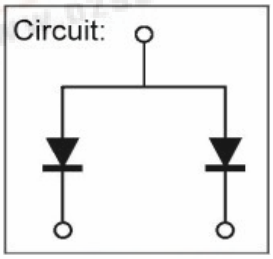
Description

The GSP202U is designed for ultra high speed switching.

Package Dimensions







REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.80	1.10	L1	0.42 REF.	
A1	0	0.10	L	0.15	0.35
A2	0.80	1.00	b	0.25	0.40
D	1.80	2.20	c	0.10	0.25
E	1.15	1.35	e	0.65 REF.	
HE	1.80	2.40	Q1	0.15 BSC.	

Absolute Maximum Ratings at Ta = 25℃

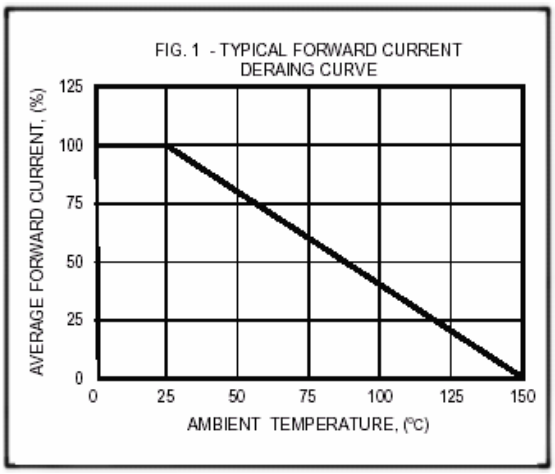
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	℃
Storage Temperature	Tstg	-55 ~ +150	℃
Maximum Peak Repetitive Reverse Voltage	V_{RRM}	80	V
Maximum RMS Voltage	V_{RMS}	56	V
Maximum DC Blocking Voltage	V_{DC}	80	V
Peak Forward Surge Current at 1uSec	I_{FSM}	4.0	A
Typical Junction Capacitance between Terminal (Note 1)	C_J	3.5	pF
Maximum Reverse Recovery Time(Note 2)	T_{RR}	4.0	nSec
Maximum Average Forward Rectified Current	Io	0.1	A
Total Power Dissipation	PD	225	mW

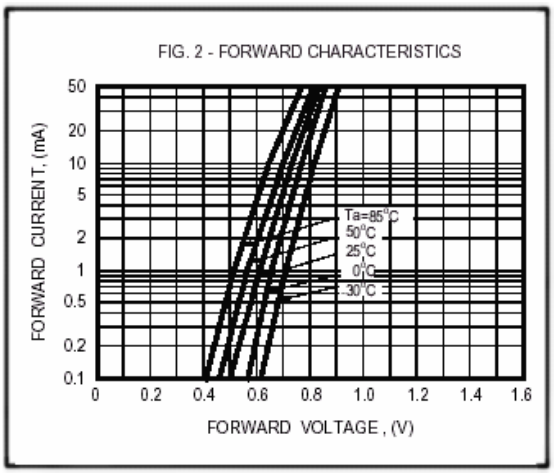
Characteristics at Ta = 25℃

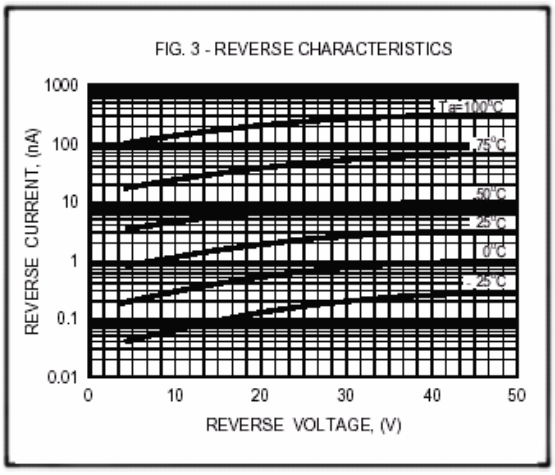
Characteristics	Symbol	Typ.	Unit	Test Condition
Maximum Instantaneous Forward Voltage	V_F	1.20	V	IF = 100mA
Maximum Average Reverse Current	IR	0.1	uA	VR = 70V

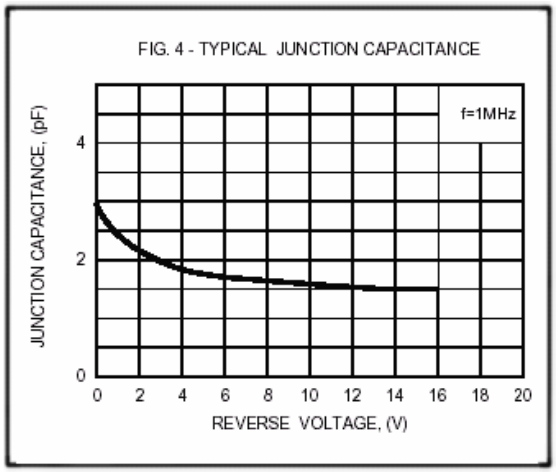
Notes: 1. Measured at 1.0 MHz and applied reverse voltage of 6.0 volt.
2. Measured at applied forward current of 5mA and reverse voltage of 6.0 volt.
3. ESD sensitive product handling required.

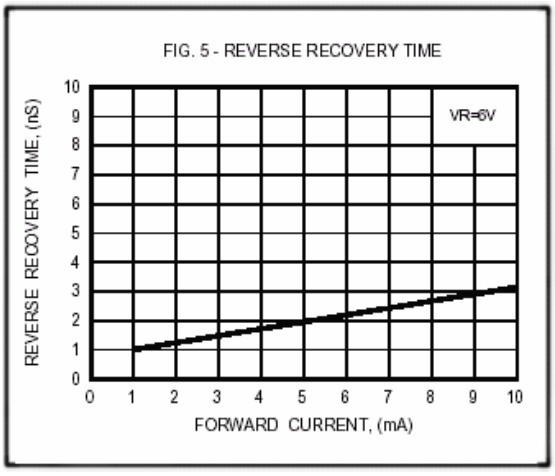
Characteristics Curve

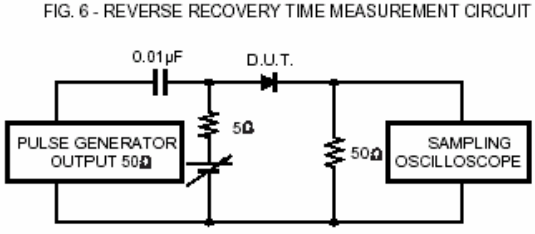












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