

GTM CORPORATION

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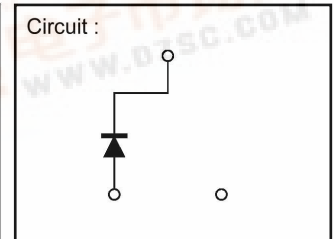
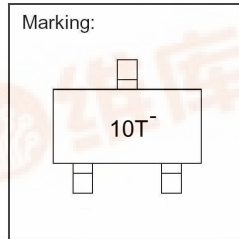
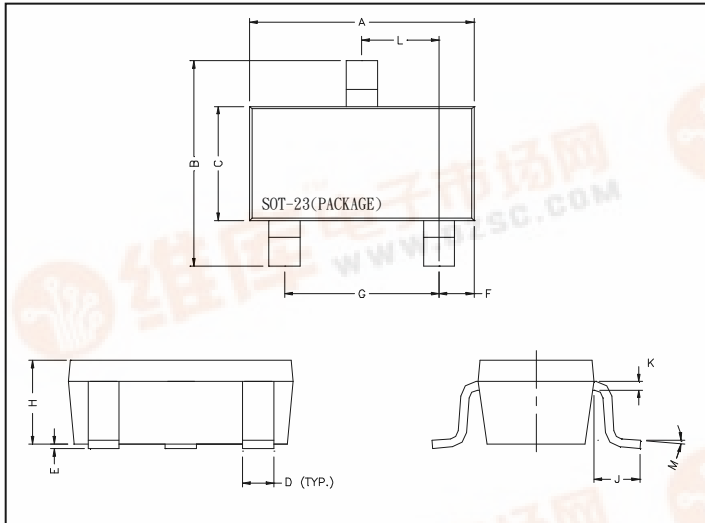
G491SD

**SURFACE MOUNT, SCHOTTKY BARRIER DIODE
 VOLTAGE 25V, CURRENT 1A**

Description

The G491SD is low power rectification for switching power supply.

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

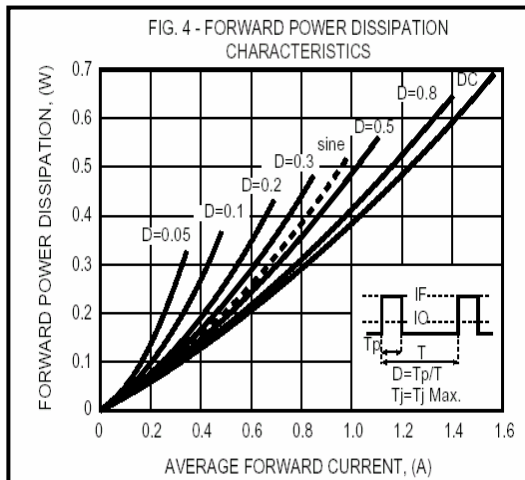
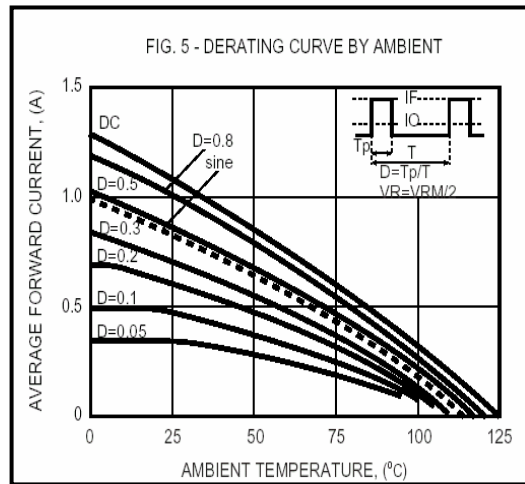
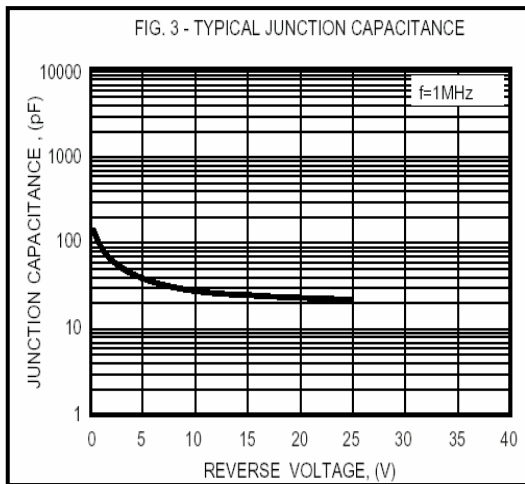
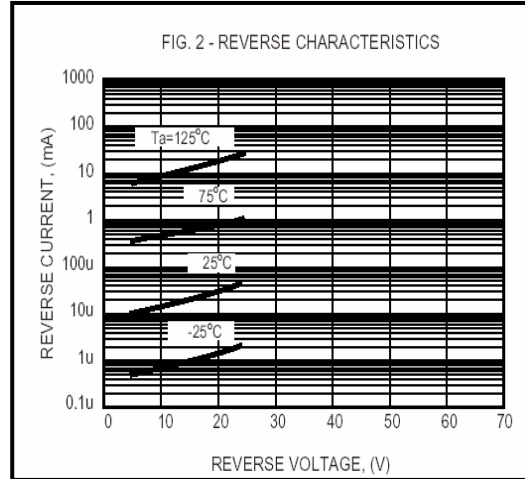
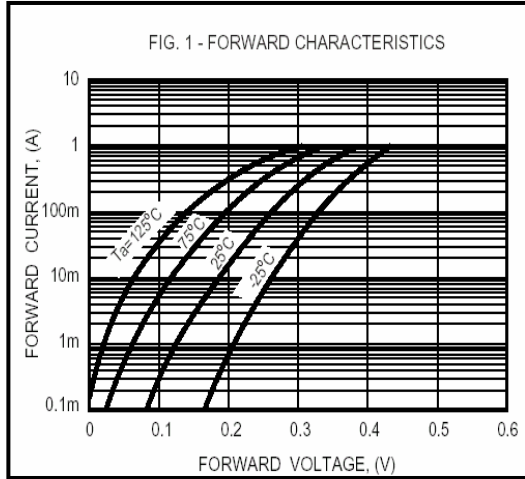
Parameter	Symbol	Ratings	Unit
Junction Temperature	T _J	+125	°C
Storage Temperature	T _{stg}	-40 ~ +125	°C
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	25	V
Maximum RMS Voltage	V _{RMS}	18	V
Maximum DC Blocking Voltage	V _{DC}	20	V
Peak Forward Surge Current at 8.3mSec single half sine-wave	I _{FSM}	3	A
Typical Junction Capacitance between Terminal	C _J	30	pF
Maximum Average Forward Rectified Current	I _O	1.0	A
Total Power Dissipation	PD	225	mW

Characteristics at Ta = 25°C

Characteristics	Symbol	Min.	Max.	Unit	Test Condition
Reverse breakdown voltage	V(BR)R	25	-	V	I _R = 100μA
Maximum Instantaneous Forward Voltage	V _F	-	0.45	V	I _F = 1A
Maximum Average Reverse Current	I _R	-	200	μA	V _R = 20V



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