

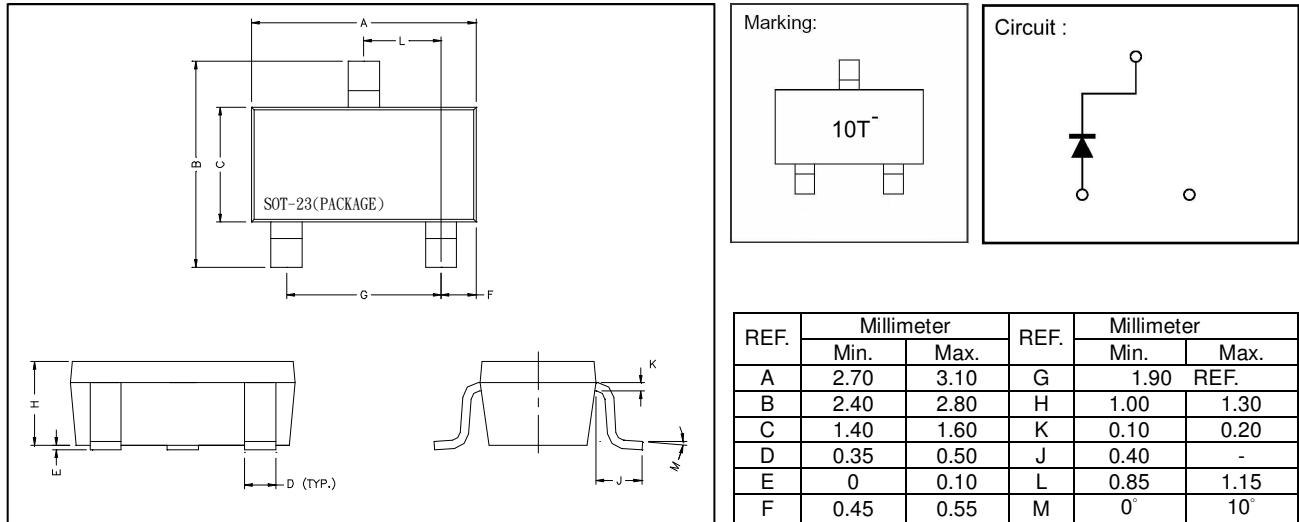
G491SD

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

Description

The G491SD is low power rectification for switching power supply.

Package Dimensions



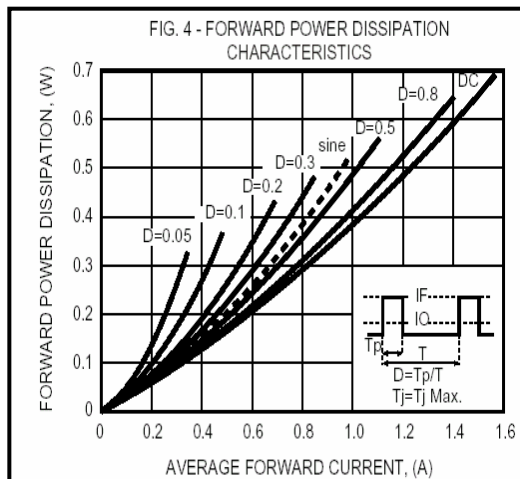
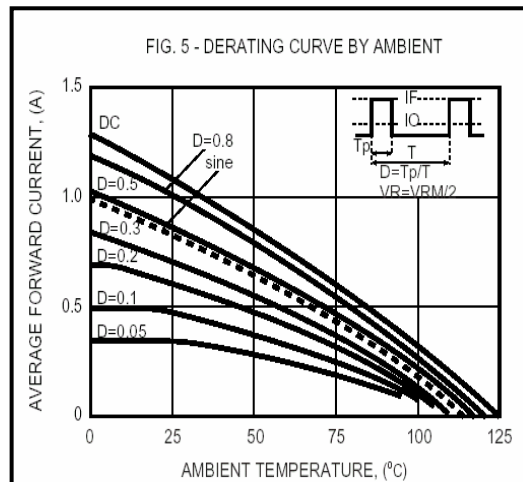
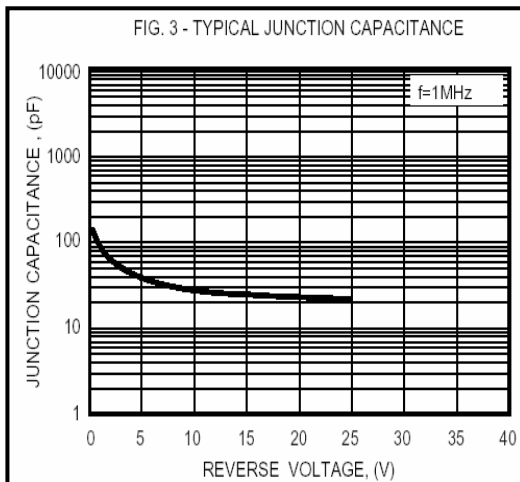
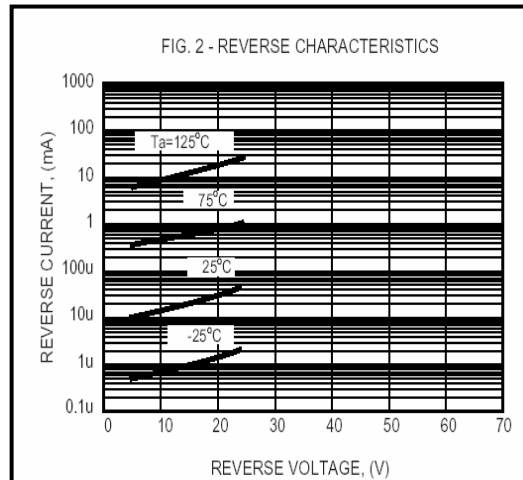
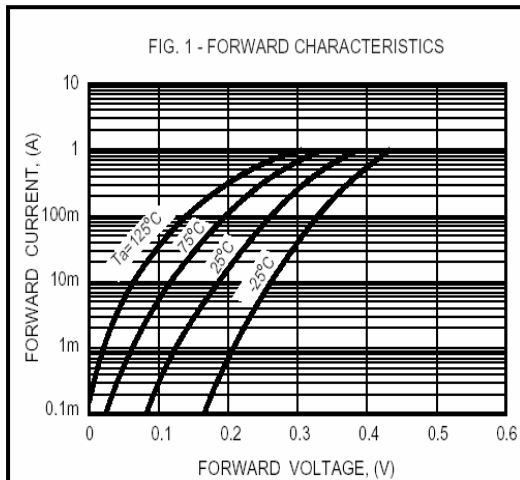
Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+125	°C
Storage Temperature	Tstg	-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	Typ.	Unit	Test Condition
Maximum Instantaneous Forward Voltage	V _F	0.45	V	I _F = 1A
Maximum Average Reverse Current	I _R	200	uA	V _R = 20V

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 ~ 4 FAX : 86-21-38950165