

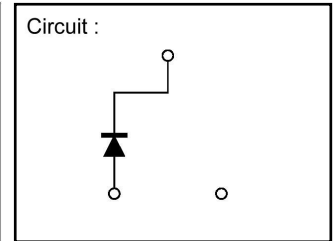
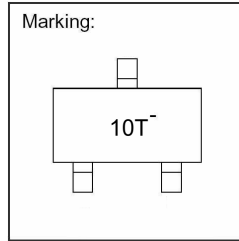
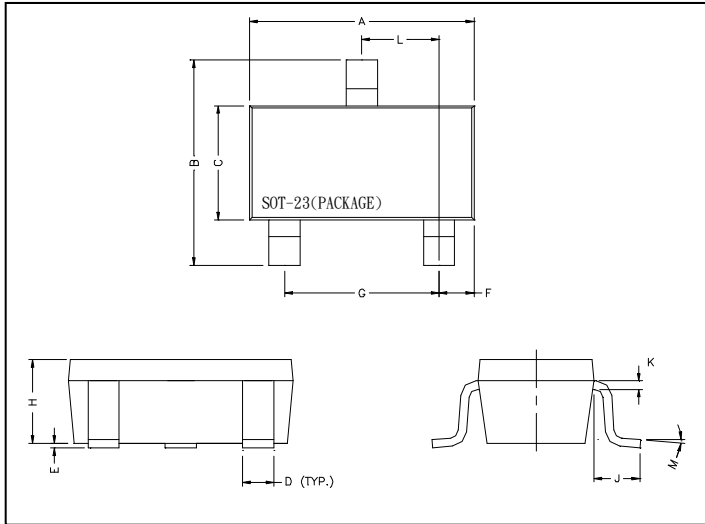
G491SD

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°

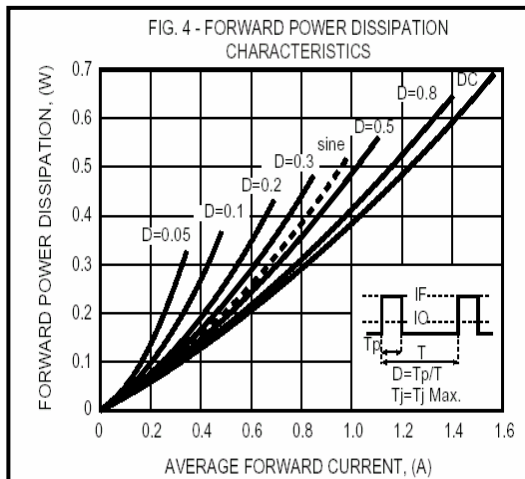
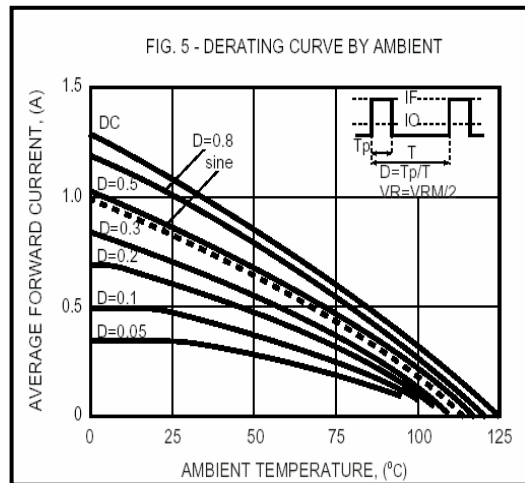
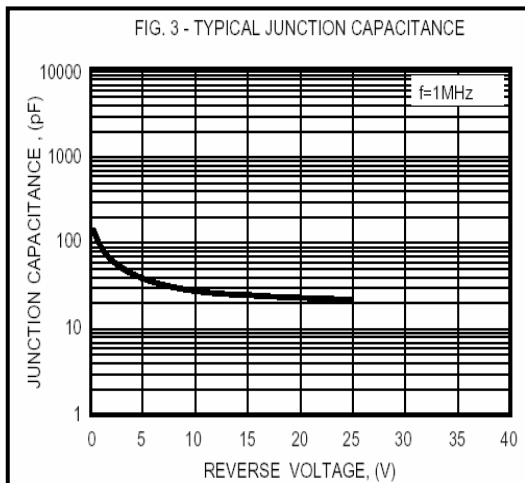
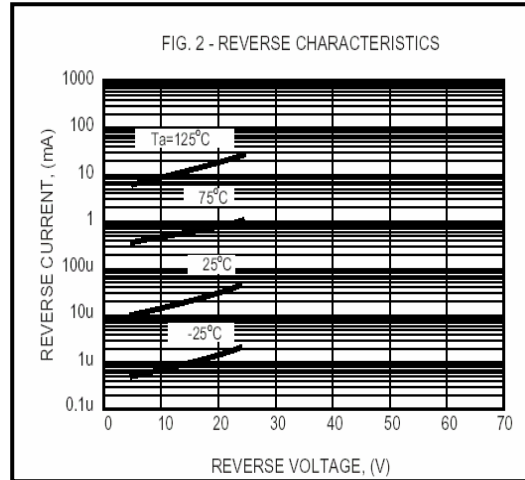
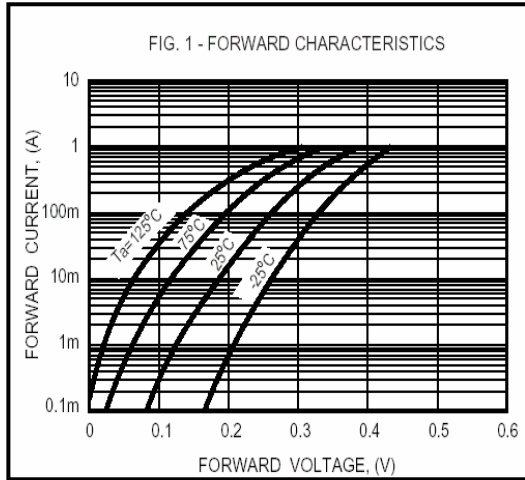
Absolute Maximum Ratings at Ta = 25°C

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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