

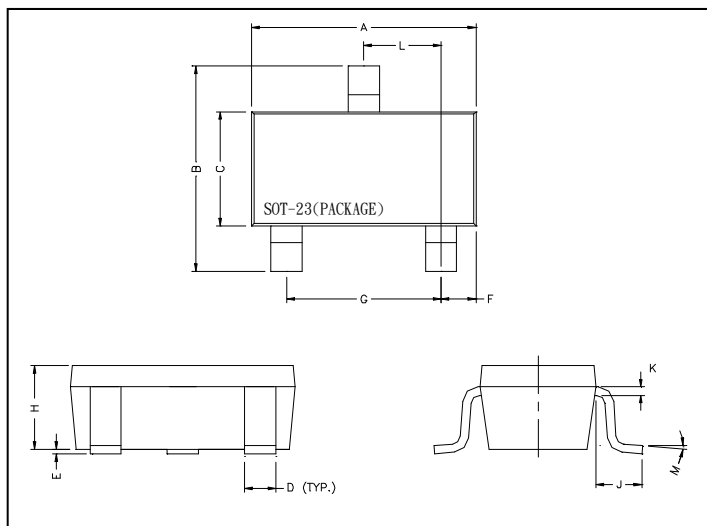
G491SD

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

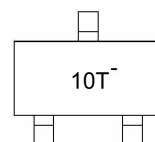
Description

The G491SD is low power rectification for switching power supply.

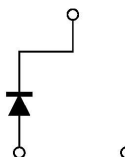
Package Dimensions



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°

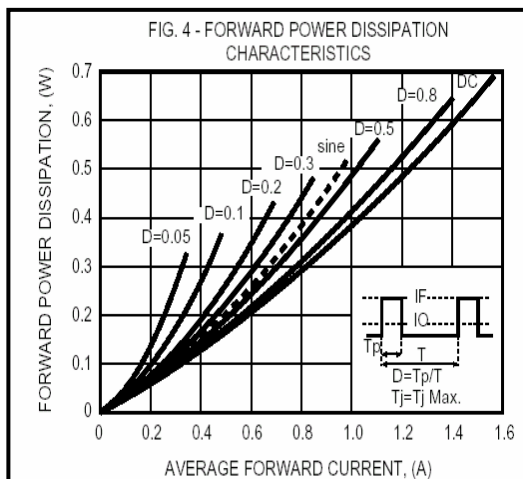
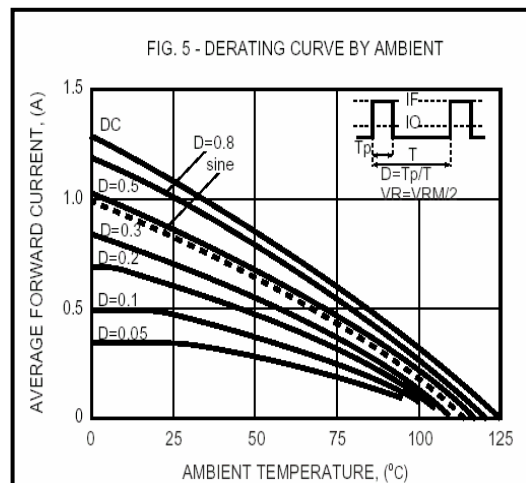
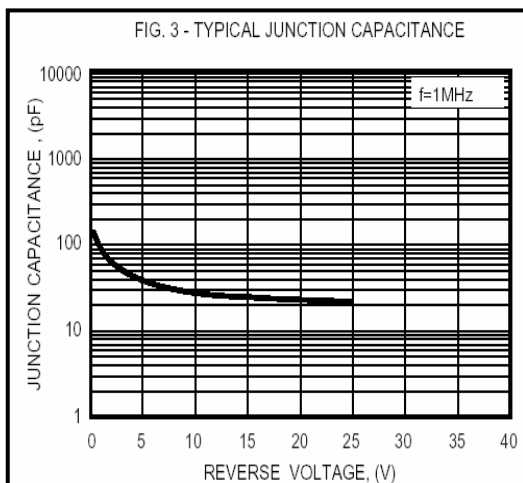
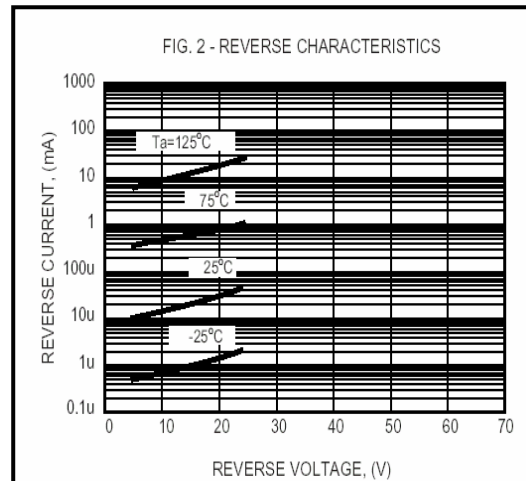
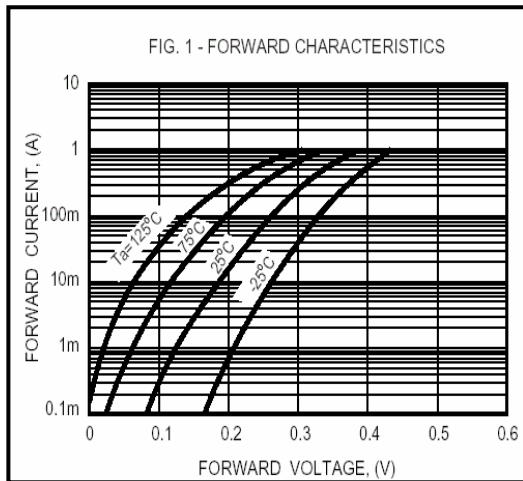
Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	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 = 100uA
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



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