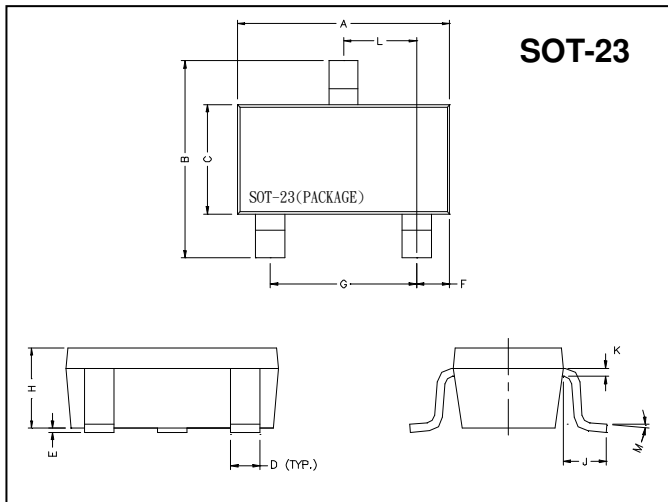
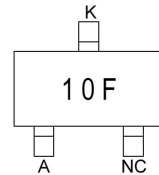


G490SD**SURFACE MOUNT, SCHOTTKY BARRIER DIODE
VOLTAGE 40V, CURRENT 1A****Description**

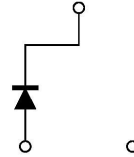
The G490SD is low power rectification for switching power supply.

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}	-55 ~ +150	°C
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	40	V
Maximum RMS Voltage	V _{RMS}	28	V
Maximum DC Blocking Voltage	V _{DC}	40	V
Peak Forward Surge Current at 8.3mSec single half sine-wave	I _{FSM}	3.0	A
Typical Junction Capacitance between Terminal (Note 1)	C _J	30	pF
Maximum Average Forward Rectified Current	I _o	1	A
Total Power Dissipation	PD	225	mW

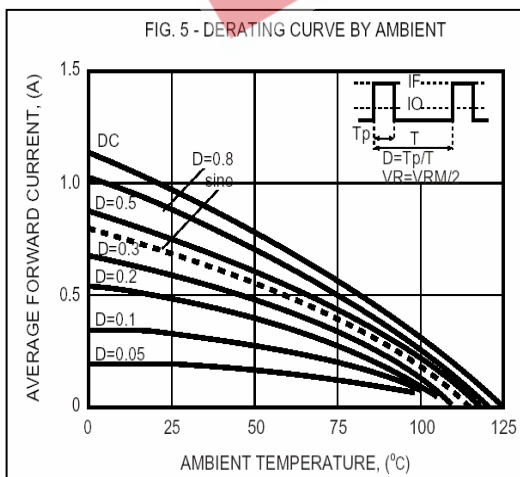
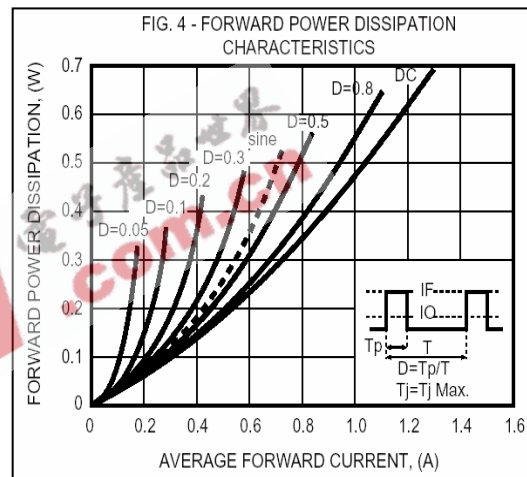
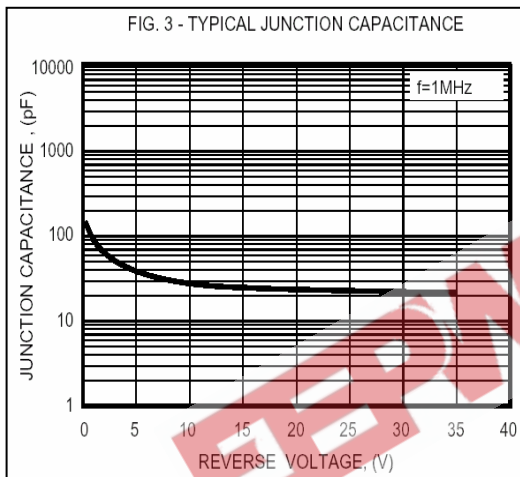
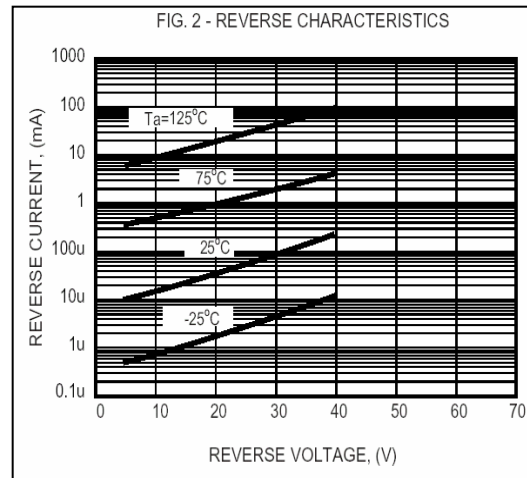
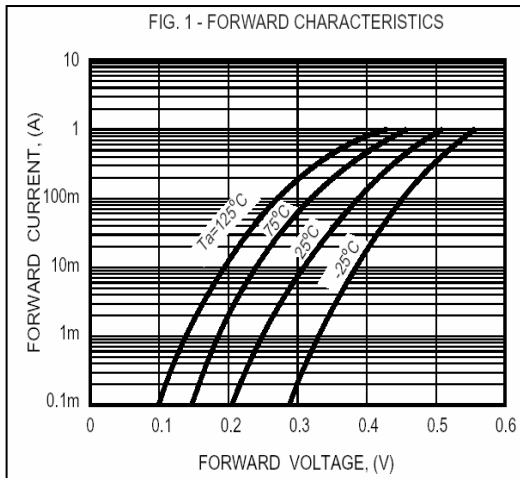
Electrical Characteristics (at TA = 25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	V _{(BR)R}	40	-	-	V	I _R =100μA
Maximum Instantaneous Forward Voltage	V _F	-	-	530	mV	I _F =1A
Maximum Average Reverse Current	I _R	-	-	100	μA	V _R =30V

Notes: 1. Measured at 1.0 MHz and applied reverse voltage of 10 volts.

2. ESD sensitive product handling required.

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