

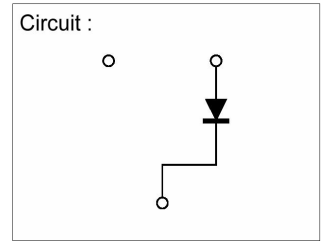
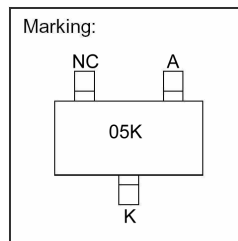
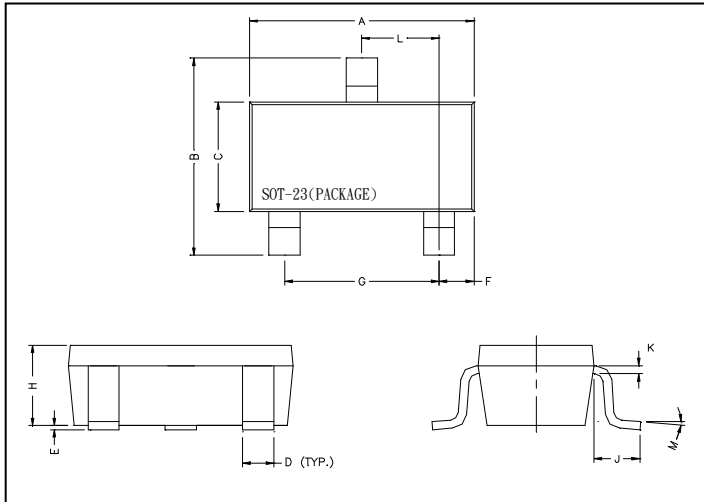
G402SD

SURFACE MOUNT, SCHOTTKY BARRIER DIODE
VOLTAGE 30V, CURRENT 0.3A

Description

The G402SD is High frequency 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}	-55 ~ +125	°C
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	30	V
Maximum RMS Voltage	V _{RMS}	21	V
Maximum DC Blocking Voltage	V _{DC}	30	V
Peak Forward Surge Current at 8.3mSec single half sine-wave	I _{FSM}	3	A
Typical Junction Capacitance between Terminal (Note)	C _J	40	pF
Maximum Average Forward Rectified Current	I _o	0.3	A
Total Power Dissipation	PD	225	mW

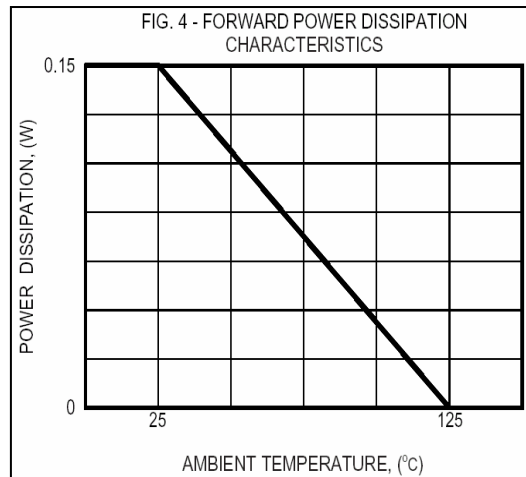
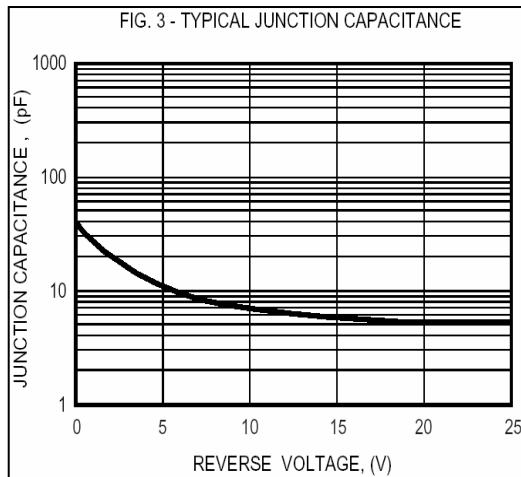
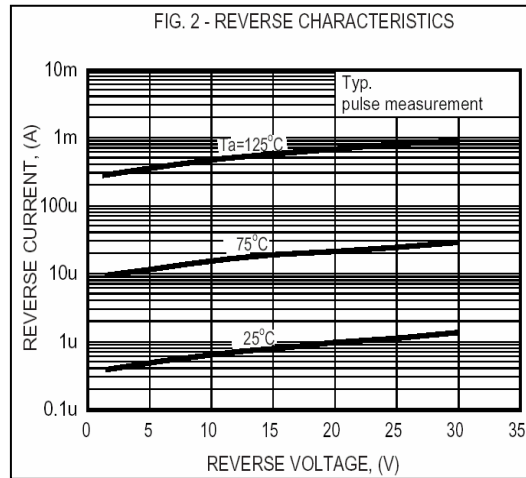
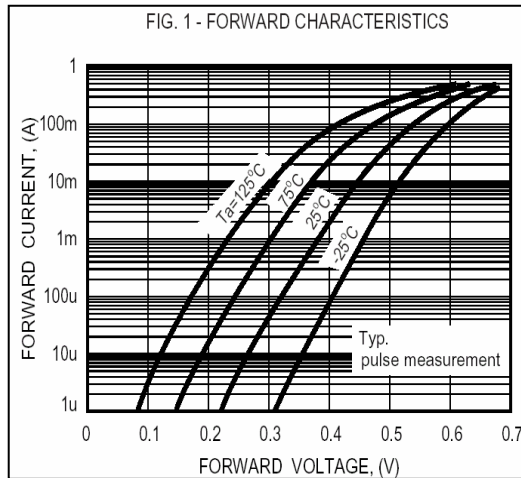
Characteristics at Ta = 25°C

Characteristics	Symbol	Typ.	Unit	Test Condition
Maximum Instantaneous Forward Voltage	V _F	0.50	V	IF = 0.3A
Maximum Average Reverse Current	IR(1)	50	uA	VR(1)=30V
Maximum Average Reverse Current	IR(2)	30	uA	VR(2)=10V

Notes:1.Measured at 1.0 MHz and 0 reverse bias voltage .

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