

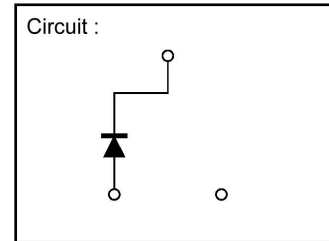
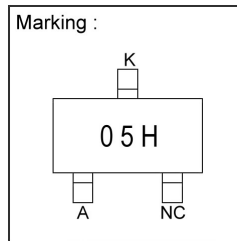
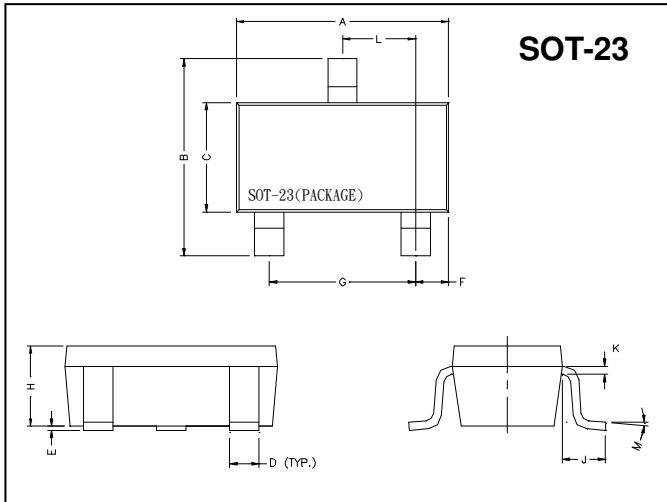
G401SD

SURFACE MOUNT, SCHOTTKY BARRIER DIODE VOLTAGE 30V, CURRENT 0.2A

Description

The G401SD 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

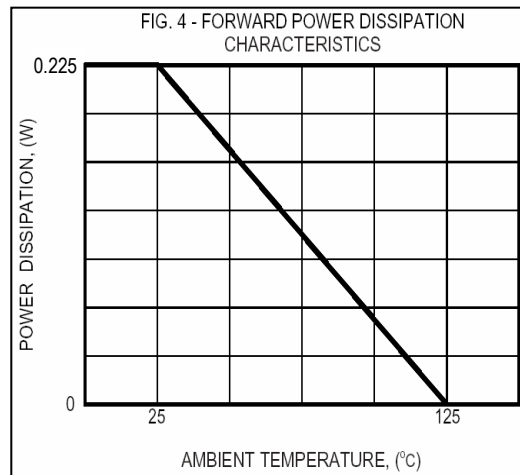
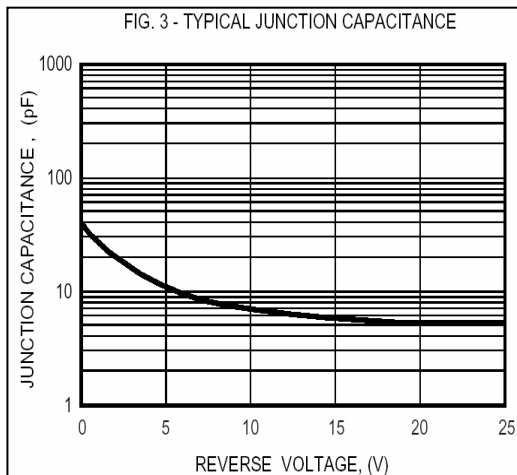
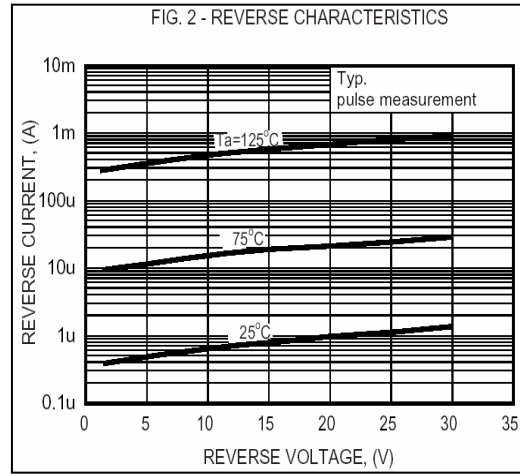
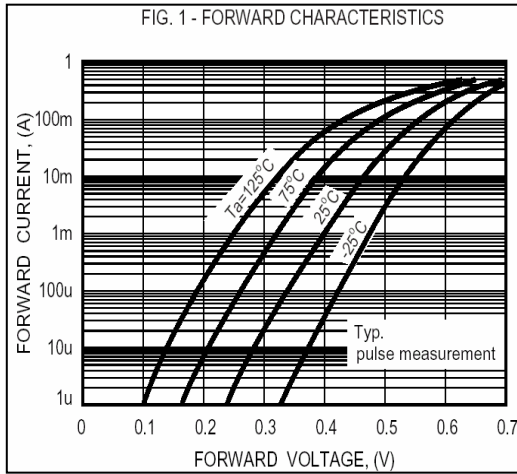
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+125	°C
Storage Temperature	Tstg	-55 ~ +125	°C
Maximum Recurrent Peak Reverse Voltage	VRRM	30	V
Maximum RMS Voltage	VRMS	21	V
Maximum DC Blocking Voltage	VDC	30	V
Peak Forward Surge Current at 8.3mSec single half sine-wave	IFSM	3.0	A
Typical Junction Capacitance between Terminal (Note 1)	CJ	40	pF
Maximum Average Forward Rectified Current	Io	0.2	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	30	-	-	V	IR=100µA
Maximum Instantaneous Forward Voltage	VF	-	-	500	mV	IF=200mA
Maximum Average Reverse Current	IR	-	-	50	µA	VR1=10V
		-	-	100	µA	VR2=30V

- Notes: 1. Measured at 1.0 MHz and 0 reverse bias voltage.
 2. ESD sensitive product handling required.

Characteristics Curve



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