

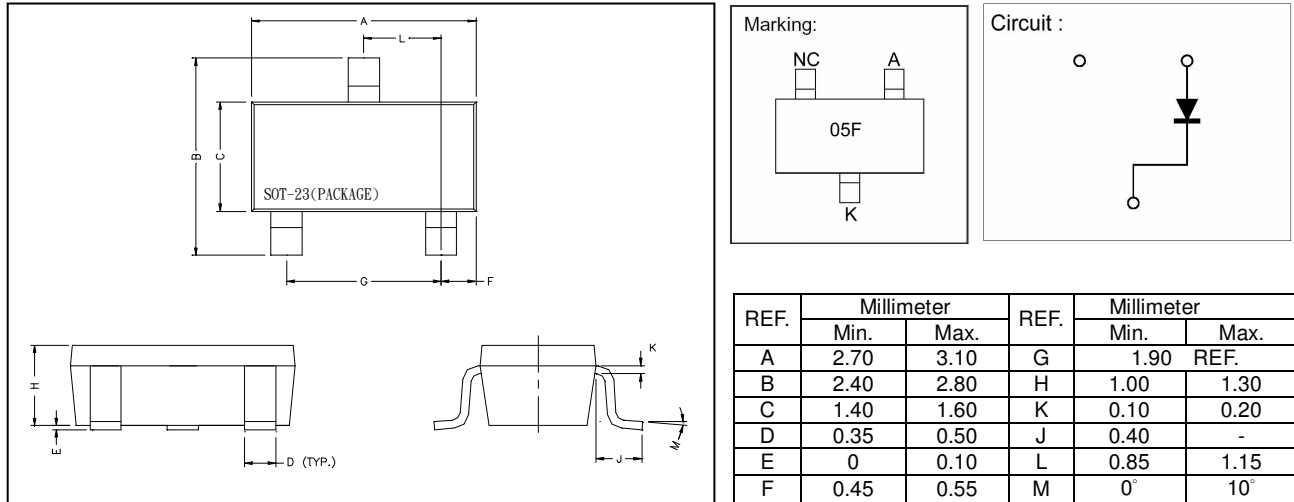
G400SD

SURFACE MOUNT, SCHOTTKY BARRIER DIODE
VOLTAGE 40V, CURRENT 0.5A

Description

The G400SD is High frequency rectification for switching power supply

Package Dimensions



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}	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	A
Typical Junction Capacitance between Terminal (Note)	C _J	20	pF
Maximum Average Forward Rectified Current	I _O	0.5	A
Total Power Dissipation	PD	225	mW

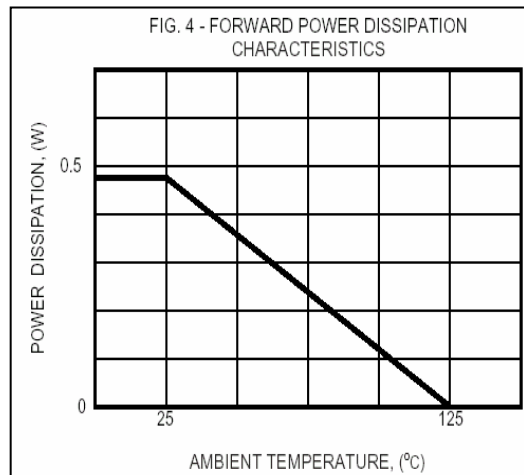
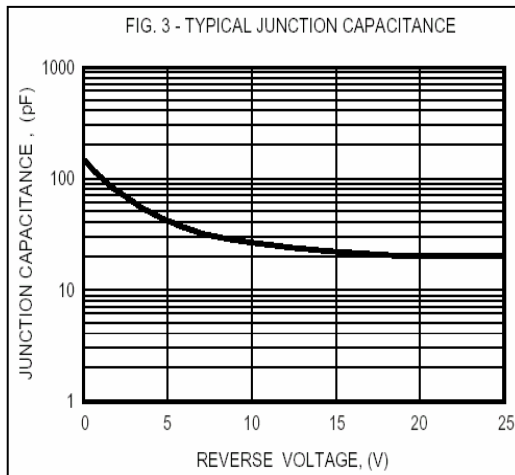
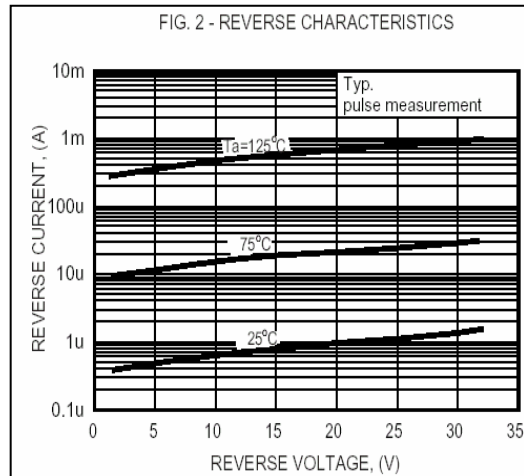
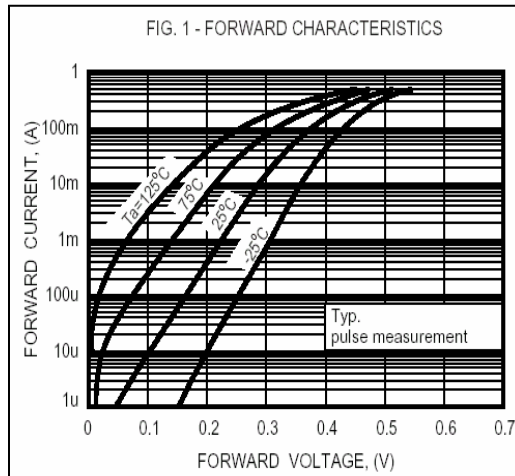
Characteristics at Ta = 25°C

Characteristics	Symbol	Typ.	Unit	Test Condition
Maximum Instantaneous Forward Voltage	V _F	0.55	V	IF = 0.5A
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 applied reverse voltage of 10.0 volts.

2.ESD sensitive product handling required.

Characteristics Curve



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