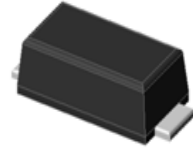


Features

- High voltage fast switching
- Low leakage current Schottky
- SOD-323F Thin SMD package
- RoHS compliant / Green EMC
- Matte tin (Sn) lead finish
- Cathode band / Device marking



Package: eSGP(SOD-323F)



Schematic Diagram

Absolute Maximum Ratings ($T_A=25^{\circ}\text{C}$ unless otherwise specified)

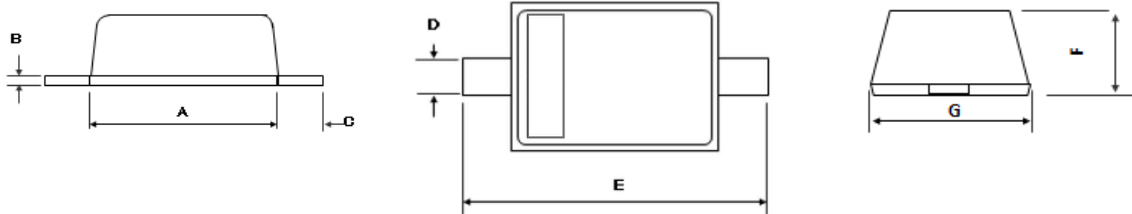
Parameter	Symbol	Value	Units
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
DC Blocking Voltage	V_R	40	V
Continuous Forward Current	I_F	200	mA
Non-Repetitive Peak Forward Current ¹	I_{FSM}	600	mA
Junction Temperature	T_J	125	$^{\circ}\text{C}$
Storage Temperature	T_{STG}	-55 to +125	$^{\circ}\text{C}$

Note: 1. 8.3ms single half sine-wave.

Electrical Characteristics ($T_A=25^{\circ}\text{C}$ unless otherwise specified)

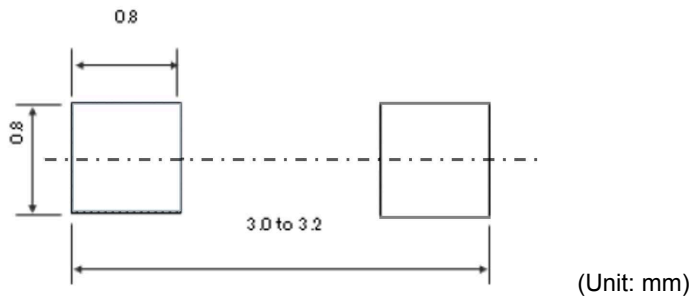
Parameter	Symbol	Conditions	Max	Units
Forward Voltage	V_F	$I_F=1\text{mA}$	0.38	V
		$I_F=10\text{mA}$	0.5	
		$I_F=40\text{mA}$	1	
Reverse Current	I_R	$V_R=30\text{V}$	200	nA
		$V_R=40\text{V}$	10	μA
Capacitance	C	$V_R=0\text{V}$, $f=1\text{MHz}$	5	pF

Package Outline Dimension (SOD-323F)



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	1.600	1.800	0.063	0.071
B	0.060	0.210	0.002	0.008
C	0.300	0.500	0.012	0.020
D	0.250	0.400	0.010	0.016
E	2.300	2.700	0.091	0.106
F	0.600	0.750	0.024	0.030
G	1.150	1.350	0.045	0.053

Recommended Pad Layout



Order Information

Device	Package	Marking	Carrier	Quantity
GSRB751V-40	SOD-323F	CH	Tape & Reel	3,000 pcs / 7" Reel