



DATA SHEET

SS0520~SS0540

SURFACE MOUNT SCHOTTKY BARRIER

 VOLTAGE
 20 to 40 Volts
 CURRENT
 0.50 Ampers

FEATURES

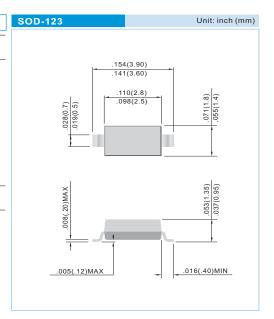
- · Low turn-on voltage
- · Fast switching
- PN Junction Guard Ring for Transient and ESD Protection.
- Pb free product are available: 99% Sn above can meet Rohs environment substance directive request

MECHANICAL DATA

Case: SOD-123, Plastic

Terminals: Solderable per MIL-STD-202G, Method 208

Polarity: See Diagram Below Approx. Weight: 0.008 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

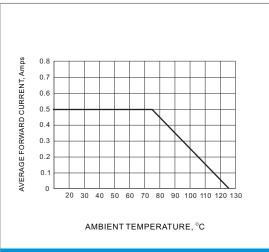
For capacitive load, derate current by 20%.

Param eter	Sym bol	SS0520	SS0530	SS0540	Units
Marking Code		B 2	В3	B 4	
Maximum Recurrent Peak Reverse Voltage	VRRM	20	3 0	4 0	V
Maximum RMS Voltage	Vrms	14	21	28	v
Maximum DC Blocking Voltage	VDC	20	3 0	4 0	V
Maximum Average Forward CurrentatTa=75°C	IA V	0.5			А
Peak Forward Surge Current, 8.3ms single half sine-wave superim posed on rated bad (JEDEC method)	Īrsm	5 .5			А
Maximum Instantaneous Forward Voltage	VF	0.3@ 0.1A 0.385@ 0.5A	0.375@ 0.1A 0.430@ 0.5A	0.51@ 0.5A 0.62@ 1.0A	v
Maximum Reverse Current	Ik	75@ Vr=10V	20@ Vr=15V	10@ Vr=20V	uA
Typical junction capacitance at VR=0V DC	Сл	170			рF
Maximum ThermalResistance	R θJL R θJA	150 206			°C /W
Operating Junction and Storage Temperature Range	TJ,TsTG	-55 TO +125			°C

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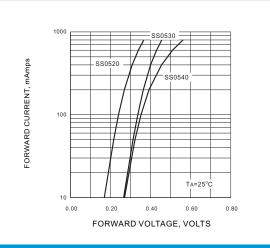
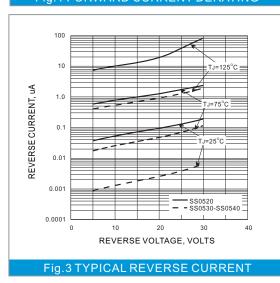
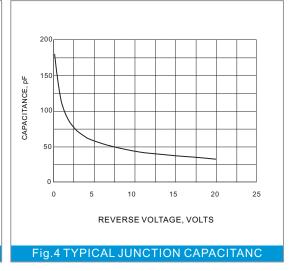


Fig.1 FORWARD CURRENT DERATING





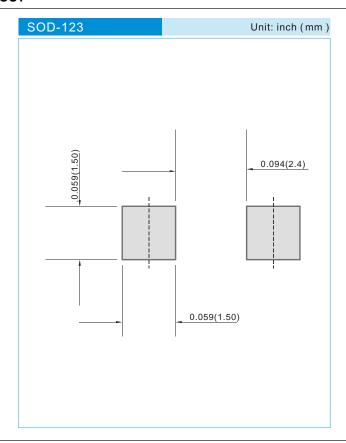


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MOUNTING PAD LAYOUT



ORDER INFORMATION

· Packing information

T/R - 10K per 13" plastic Reel

T/R - 3.0K per 7" plastic Reel

LEGAL STATEMENT

IMPORTANT NOTICE

This information is intended to unambiguously characterize the product in order to facilitate the customer's evaluation of the device in the application. The information will help the customer's technical experts determine that the device is compatible and interchangeable with similar devices made by other vendors. The information in this data sheet is believed to be reliable and accurate. The specifications and information herein are subject to change without notice. New products and improvements in products and product characterization are constantly in process. Therefore, the factory should be consulted for the most recent information and for any special characteristics not described or specified.

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