



SMD Schottky Barrier Rectifiers 20~200VRRM DO-214AA SMB Package SS24B 40VRRM

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH,RoHS,ISO
- Model Number: SS24B
- Minimum Order Quantity: 3000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Component Name: Schottky Barrier Rectifiers
- Package: DO-214AA(SMB)
- SS24B Max. VRRM: 40V
- SS24B Max. VRMS: 28V
- SBD Max. VDC: 40V
- SS24B Max. IF(AV): 2A
- Rectifiers IFSM: 50A
- Rectifiers VF: 0.5V
- Highlight: **SMB Package Schottky Barrier Rectifiers, Schottky Barrier Rectifiers SS24B, SS24B**



Product Description

SMD Schottky Barrier Rectifiers 20~200VRRM DO-214AA(SMB) Package SS24B 40VRRM

Schottky Barrier Rectifiers DATASHEET: [SS22B~SS220B\(SMB\)_v93.1.pdf](#)

Schottky Barrier Rectifiers SS24B Features:

Plastic package has Underwriters Laboratory Flammability Classification 94V-0.

For surface mounted applications in order to optimize board space.

Low power loss, High efficiency.

Schottky Barrier Rectifiers SS24B has High surge capacity.

Lead free in compliance with EU RoHS 2.0.

Green molding compound as per IEC 61249 standard.

Schottky Barrier Rectifiers SS24B Mechanical Data:

Case: JEDEC DO-214AA molded plastic.

Terminals: Solder plated, solderable per MIL-STD-750, Method 2026.

Approx. Weight: 0.0032 ounces, 0.092 grams.

Polarity: Color band denotes cathode end.

Schottky Barrier Rectifiers SS24B Standard packaging: 12mm tape (EIA-481).

Schottky Barrier Rectifiers SS24B Electrical and Thermal Characteristics($T_A=25$ unless otherwise noted):

Switching Diode Rectifiers SS2B Electrical and Thermal Characteristics (TA=25°C unless otherwise noted)											
Parameter	Sym bol	SS2 2B	SS2 3B	SS2 4B	SS2 5B	SS2 6B	SS2 8B	SS21 0B	SS21 5B	SS22 0B	Un it
Maximum Repetitive Peak Reverse Voltage	VRR M	20	30	40	50	60	80	100	150	200	V
Maximum RMS Voltage	VRM S	14	21	28	35	42	56	70	105	140	V
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	80	100	150	200	V
Maximum Average Forward Rectified Current	IF(A V)	2									A
Peak Forward Surge Current : 8.3ms Single Half Sinewave Superimposed on Rated Load	IFSM	50									A
Maximum Forward Voltage at 2A per Diode (Note 1)	VF	0.5		0.7		0.8		0.9			V
Maximum DC Reverse Current at Rated DC Blocking Voltage	TJ=25 IR	0.09					0.05				m A
	TJ=100	20					1				
Typical Thermal Resistance	RθJL	12									/ W
Operating Junction and Storage Temperature Range	TJ, TST G	-55 to +150					-55 to +175				

Notes:1.Pulse Test with PW=300μsec, 1% Duty Cycle.

2.Mounted on P.C. Board with 8mm² (0.013mm thick) copper pad areas.

Schottky Barrier Rectifiers SS24B Rating and Characteristic Curves:

Fig1. Forward Current Derating Curve:

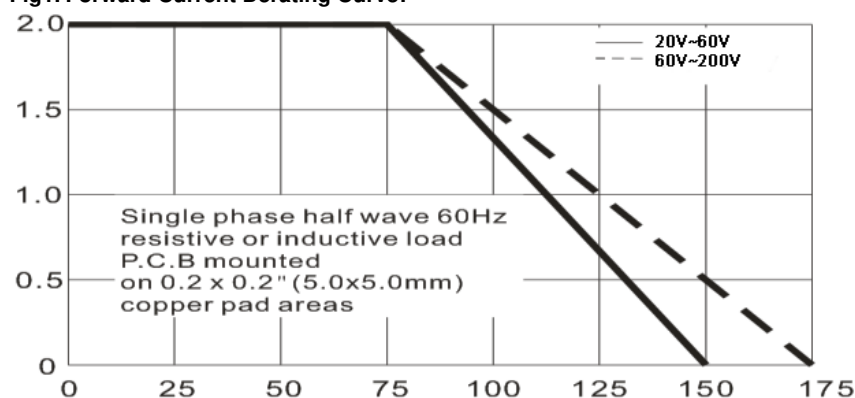
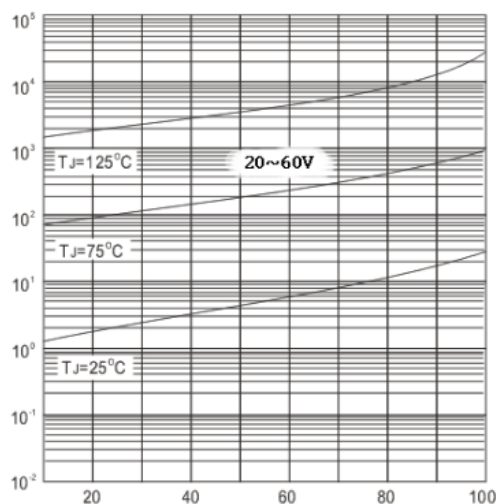
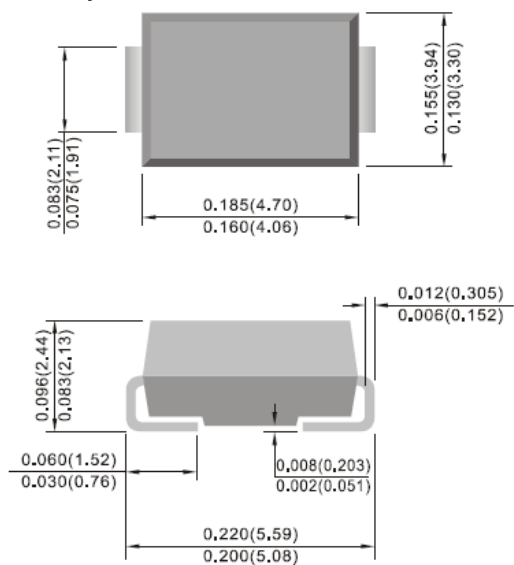


Fig2. Typical Reverse Characteristics:



Schottky Barrier Rectifiers SS24B Dimensions / SMB/DO-214AA Package Outline (Unit:inch(mm)):



Schottky Barrier Rectifiers SS24B Packaging Information:

Part Number	Component Package	Quantity	Packaging Option
SS22B~SS220B	SMB/DO-214AA	3000 PCS	per 13" plastic Reel
		800 PCS	per 7" plastic Reel

