

Features

- Average Forward Current: I_{F(AV)}=5A
- Polarity: Color band denotes cathode

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)	
SS5100B~ SS5200B	SMB	SS5x	3000	





SMB



Maxmim Ratings (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Test Conditions	SS5		
				100B	150B	200B
Repetitive Peak Reverse Voltage	V_{RRM}	V		100	150	200
Maximum RMS Voltage	V _{RMS}	V		70	105	140
Average Forward Current	I _{F(AV)}	А	60Hz Half-sine wave, Resistance load, FIG.1	5.0		
Surge(Non-repetitive)Forward Current	I _{FSM}	А	60Hz Half-sine wave, 1 cycle, Ta=25 °C	150		
Junction Temperature	TJ	$^{\circ}$		-55~+125 -55~+150		
Storage Temperature	T _{STG}	$^{\circ}$		-55 ~ + 150		

Electrcal Charcteristics (Ta=25 unless otherwise specified)

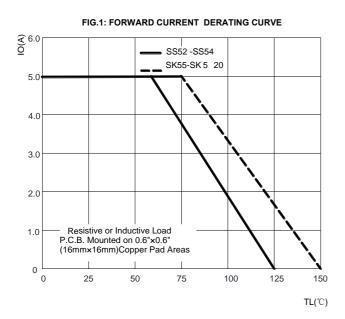
14	Symbol	Unit	Test Condition		SS5		
Item					100B	150B	200B
Peak Forward Voltage	V _F	٧	I _F =5.0A		0.85	0.95	
Peak Reverse Current -	I _{RRM1}	mA	V _{RM} =V _{RRM}	T _a =25°C	0.1		
	I _{RRM2}			T _a =100°C	10		
Thermal Resistance(Typical)	R _{θJ-A}	°C/	Between junct	tion and ambient	60		
	R _{θJ-L}	W	Between junction and terminal		20		

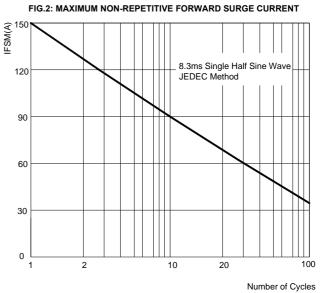
Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.6" x 0.6" (16 mm x 16 mm) copper pad areas

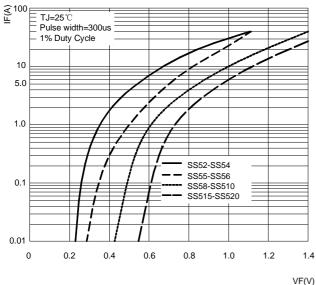


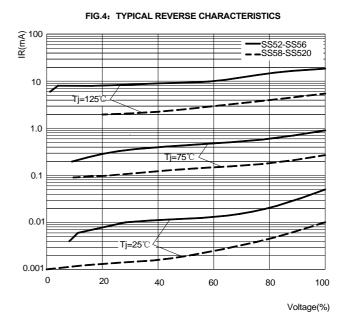
Typical Characteristics





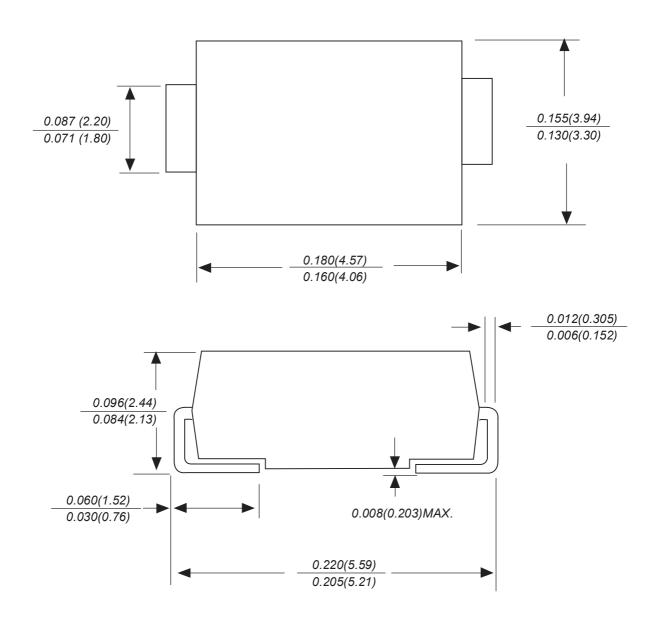








SMB Package Outline Dimensions



Dimensions in inches and (millimeters)

SS5100B~SS5200B SCHOTTKY RECTIFIER DIODES

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