

Features

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

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)				
SS52~SS520	SMB	SS5x	3000				





SMB



Maxmim Ratings (Ta=25 unless otherwise noted)

	Symbol	Unit		SS5									
Item			Test Conditions	2	3	4	5	6	8	10	15	20	
Repetitive Peak Reverse Voltage	V_{RRM}	V		20	30	40	50	60	80	100	150	200	
Maximum RMS Voltage	V _{RMS}	V		14	21	28	35	42	56	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}	Α	60Hz Half-sine wave, 1 cycle,Ta=25˚C	150									
Junction Temperature	TJ	$^{\circ}$		-5	-55~+125 -55~+150								
Storage Temperature	T _{STG}	$^{\circ}$		-55 ~ + 150									

Electrcal Charcteristics (Ta=25 unless otherwise specified)

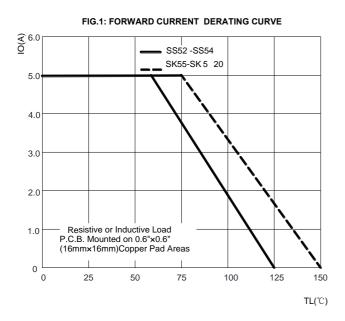
lto-m-	Symbol Unit		Took Oom disting			SS5									
Item	Symbol	Unit	Test Condition			3	4	5	6	8	10	15	20		
Peak Forward Voltage	V _F	٧	I _F =		0.55		0	.70	0.85		0.95				
Peak Reverse Current	I _{RRM1}	mΛ	M M	T _a =25°C		0.5					0.1				
	I _{RRM2}	mA	$V_{RM}=V_{RRM}$	T _a =100°C		20					10				
Thermal	R _{θJ-A}	°C/	Between junct	60											
Resistance(Typical)	R _{θJ-L}	W	Between junct	tion and terminal	20										

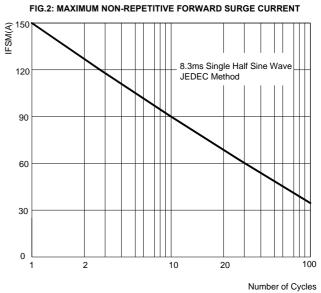
Notes:

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

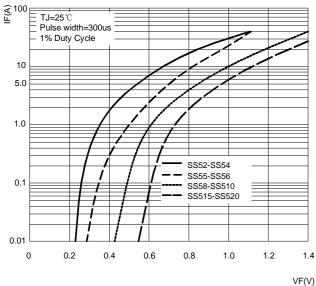


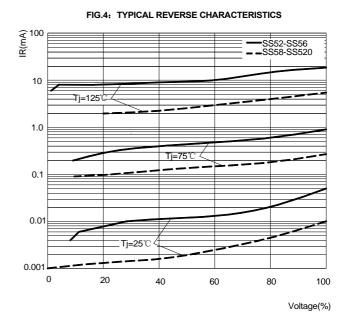
Typical Characteristics





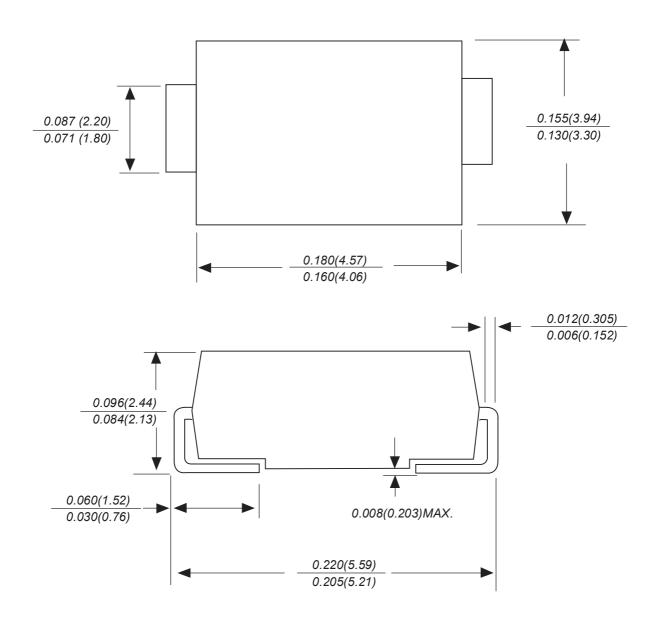








SMB Package Outline Dimensions



Dimensions in inches and (millimeters)



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