

FEATURES

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



SMB

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SS52~SS520	SMB	SS5 *	3000



★:From2-20

MAXIMUM 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}	А	60Hz Half-sine wave, 1 cycle,Ta=25˚C	150										
Junction Temperature	TJ	$^{\circ}$		-55~+125 -55~+150										
Storage Temperature	T _{STG}	$^{\circ}\!\mathbb{C}$		-55 ~ +150										

ELECTRICAL CHARACTERISTICS (Ta=25 unless otherwise specified)

11	0	1116	T1 O	SS5										
Item	Symbol	Unit	Test Condition			3	4	5	6	8	10	15	20	
Peak Forward Voltage	V _F	٧	I _F =		0.55	5 0.70			0.85		0.95			
Peak Reverse Current	I _{RRM1}	mA	$V_{RM}=V_{RRM}$	T _a =25°C		0.5				0.1				
	I _{RRM2}	ША		T _a =100°C		20					1	0		
Thermal	$R_{\theta J-A}$	℃/	Between junct	ion and ambient					60					
Resistance(Typical)	R _{θJ-L}	W	Between junct	ion and terminal	20									

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.27" x 0.27" (7.0 mm x 7.0 mm) copper pad areas

Typical Characteristics



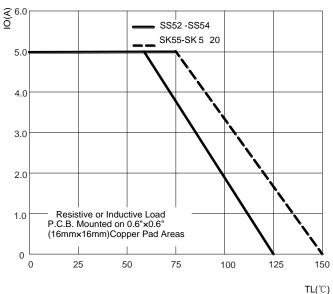


FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

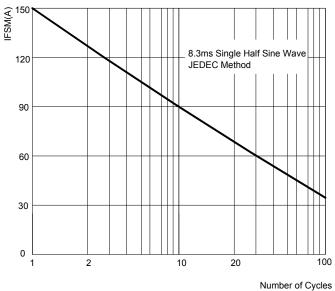


FIG.3: TYPICAL FORWARD CHARACTERISTICS

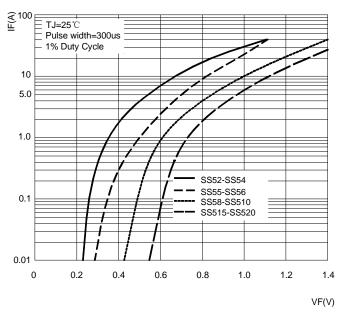
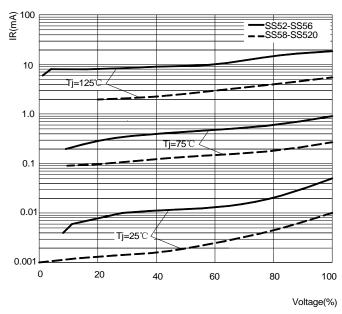
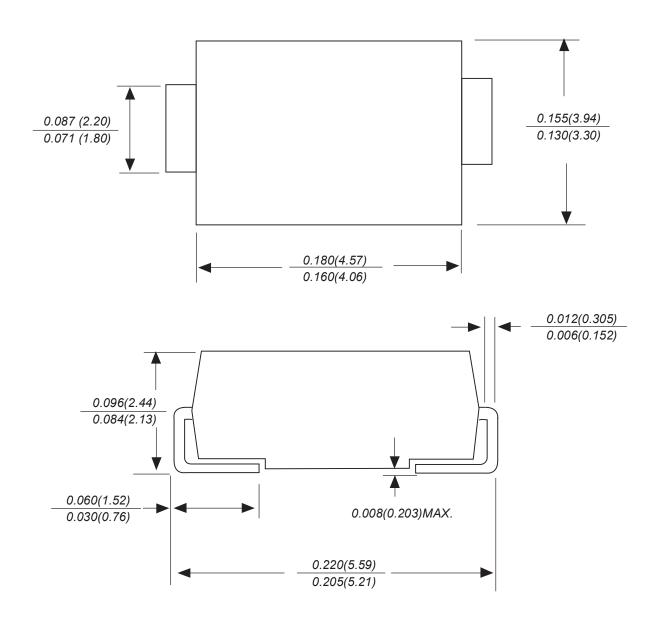


FIG.4: TYPICAL REVERSE CHARACTERISTICS





SMB Package Outline Dimensions



Dimensions in inches and (millimeters)



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