

### **Features**

- Average Forward Current:I<sub>F(AV)</sub>=2A
- Polarity: Color band denotes cathode

## **Package Marking and Ordering Information**

Product ID	Pack	Marking	Qty(PCS)
SS22~SS220	SMB (DO-214AA)	SS2x	3000





SMB (DO-214AA)



## Maxmim Ratings (Ta=25 unless otherwise noted)

		Unit		SS2									
Item	Symbol		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 <sub>RMS</sub>	٧		14	21	28	35	42	56	70	105	140	
Average Forward Current	I <sub>F(AV)</sub>	Α	60Hz Half-sine wave , Resistance load , TL(Fig.1)	2.0									
Surge(Non-repetitive)Forward Current	I <sub>FSM</sub>	Α	60Hz Half-sine wave , 1 cycle , Ta=25 ℃	50									
Junction Temperature	TJ	$^{\circ}$		-55~+125 -55~+150									
Storage Temperature	T <sub>STG</sub>	$^{\circ}$		-55 ~ +150									

## **Electrcal Charcteristics (Ta=25 unless otherwise specified)**

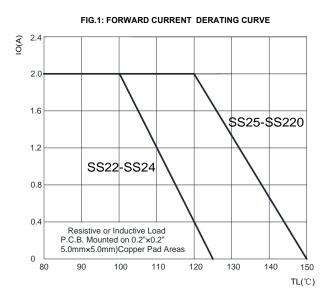
			Test Condition		SS2										
Item	Symbol	Unit			2	3	4	5	6	8	10	15	20		
Peak Forward Voltage	V <sub>F</sub>	٧	I <sub>F</sub> =		0.55		0.70		0.85		0.95				
Peak Reverse Current	I <sub>RRM1</sub>	m۸	\/ -\/	T <sub>a</sub> =25℃			0.5	0.5			0.1				
	I <sub>RRM2</sub>	mA	$V_{RM}=V_{RRM}$	T <sub>a</sub> =100°C		10				5.0					
Thermal Resistance(Typical)	$R_{\theta J-A}$	°C/	Between junct				75								
	R <sub>θJ-L</sub>	W	Between junct	17											

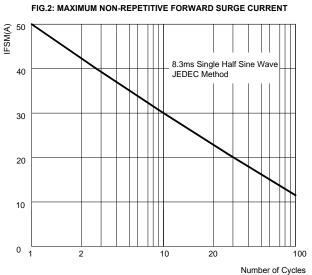
## Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2"  $\times$  0.2" (5.0 mm  $\times$  5.0 mm) copper pad areas

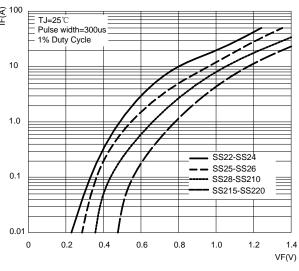


# **Typical Characteristics**

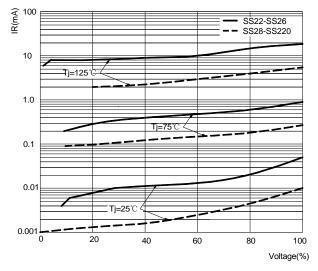






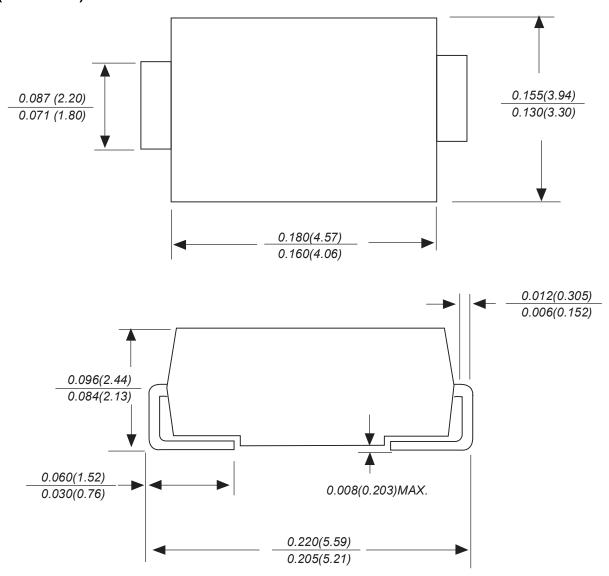


#### FIG.4: TYPICAL REVERSE CHARACTERISTICS





# Package Outline Dimensions SMB(DO-214AA)



Dimensions in inches and (millimeters)



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