

Features

- Average Forward Current:I_{F(AV)}=3A
- Polarity: Color band denotes cathode

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)				
SS32~SS320	SMB (DO-214AA)	SS3x	3000				





SMB (DO-214AA)



Maxmim Ratings (Ta=25 unless otherwise noted)

	Symbol	Unit		SS3										
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	3.0										
Surge(Non-repetitive)Forward Current	I _{FSM}	А	60Hz Half-sine wave, 1 cycle,Ta=25℃	70										
Junction Temperature	TJ	$^{\circ}$		-50~+125 -50~+150										
Storage Temperature	T _{STG}	$^{\circ}$		-50 ~ + 150										

Electrcal Charcteristics (Ta=25 unless otherwise specified)

14	0 1 11	11	Took Oom disting			SS3									
Item	Symbol	Unit	Test Condition		2	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}	mA	V V	T _a =25°C	0.5					0.1					
	I _{RRM2}	IIIA	$V_{RM}=V_{RRM}$	T _a =100°C	10					5					
$R_{\theta J-A}$ Thermal		℃/	Between junct	55											
Resistance(Typical)	$R_{\theta J-L}$	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 0.6" x 0.6" (16 mm x 16 mm) copper pad areas



Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

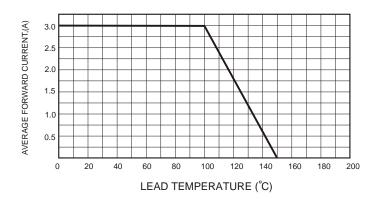


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

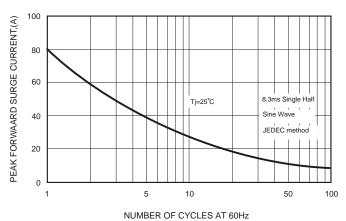


FIG.4-TYPICAL JUNCTION CAPACITANCE

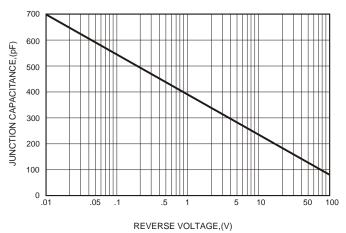


FIG.2-TYPICAL FORWARD

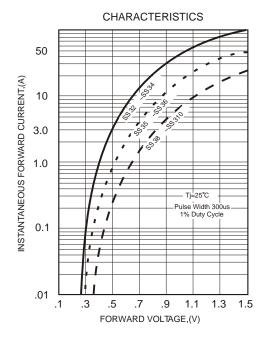
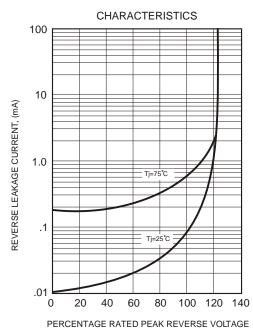
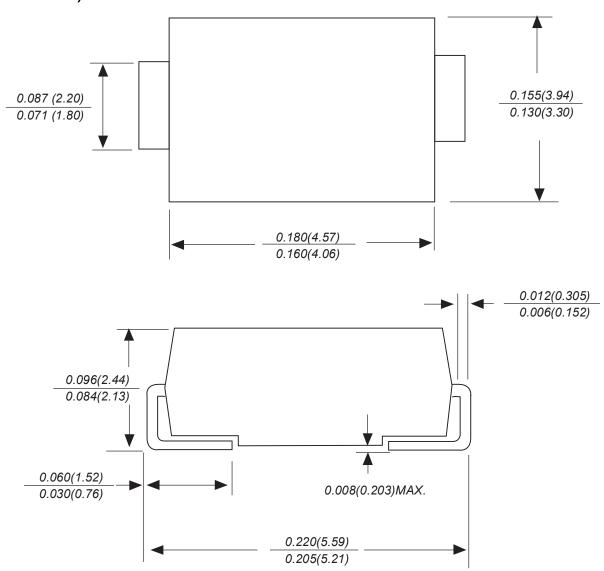


FIG.5 - TYPICAL REVERSE





Package Outline Dimensions SMB(DO-214AA)



Dimensions in inches and (millimeters)



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