

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 (DO-214AA)	SS5x	3000

x: From 2-20



SMB (DO-214AA)



Maxmim Ratings (Ta=25 unless otherwise noted)

		Unit		SS5									
ltem	Symbol		Test Conditions		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)}	A	60Hz Half-sine wave, Resistance load, FIG.1	5.0									
Surge(Non-repetitive)Forward Current	I _{FSM}	A	60Hz Half-sine wave, 1 cycle,Ta=25℃	150									
Junction Temperature	TJ	°C		-55~+125 -55~+150									
Storage Temperature	T _{STG}	°C		-55 ~ +150									

Electrcal Charcteristics (Ta=25 unless otherwise specified)

lto	Symbol Unit		Test Condition			SS5									
ltem	Symbol	Unit	Test Condition			3	4	5	6	8	10	15	20		
Peak Forward Voltage	$V_{\rm F}$	V	I _F =		0.55		0	.70	0.85		0.95				
Peak Reverse Current			Ta=25℃	0.5					0.1						
		mA	V _{RM} =V _{RRM}	Ta=100℃	20					10					
Thermal	$R_{\theta J - A}$	°C/	Between junct	ion and ambient	60										
Resistance(Typical)	R _{θJ-L}	W	Between junct	20											

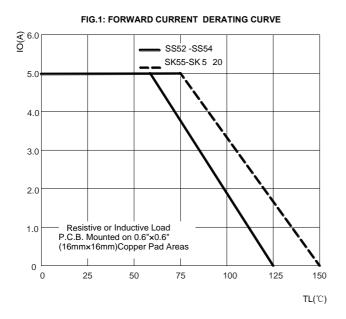
Notes:

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



SS52~SS520 SCHOTTKY RECTIFIER DIODES

Typical Characteristics



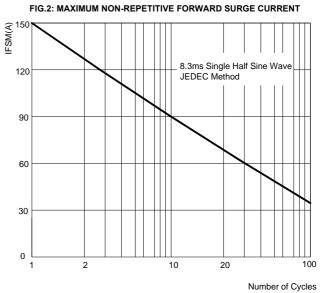


FIG.3: TYPICAL FORWARD CHARACTERISTICS

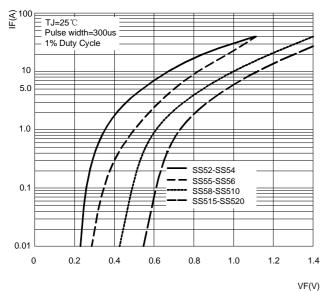
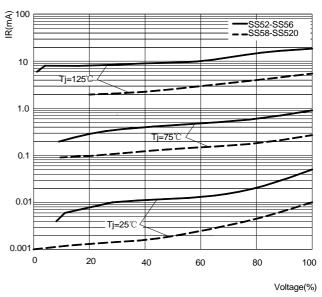


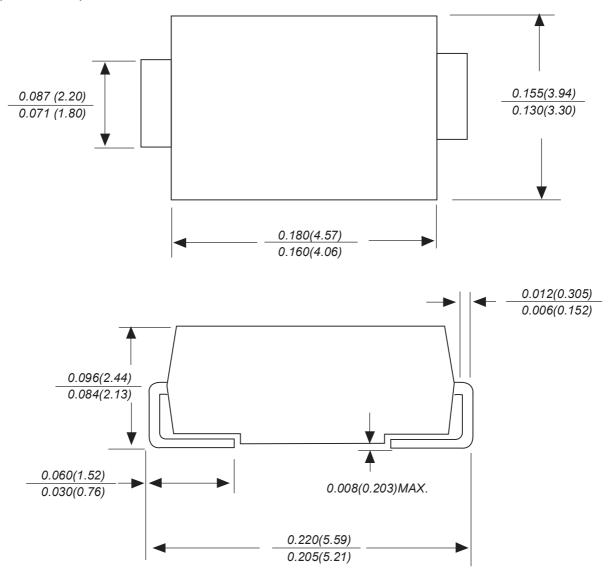
FIG.4: TYPICAL REVERSE CHARACTERISTICS





Package Outline Dimensions

SMB(DO-214AA)



Dimensions in inches and (millimeters)



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