

#### Features

- Average Forward Current:I<sub>F(AV)</sub>=1A
- Polarity: Color band denotes cathode

## Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)				
SS12~SS120	SMA	SS1*	2000				

★:From2-20





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

ltere	Cum h a l	Unit		SS1									
Item	Symbol		Test Conditions		3	4	5	6	8	10	15	20	
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	V		20	30	40	50	60	80	100	150	200	
Maximum RMS Voltage	Vrms	V		14	21	28	35	42	56	70	105	140	
Average Forward Current	I <sub>F(AV)</sub>	А	60Hz Half-sine wave, Resistance load,FIG.1	1.0									
Surge(Non-repetitive)Forward Current	I <sub>FSM</sub>	A	60Hz Half-sine wave, 1 cycle,Ta=25℃	30									
Junction Temperature	TJ	°C		-55~+125 -55~+150									
Storage Temperature	T <sub>STG</sub>	°C		-55 ~ +150									

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

literes	Symbol Unit		To at Q and itian			SS1									
Item	Symbol	Unit	Test Condition			3	4	5	6	8	10	15	20		
Peak Forward Voltage	V <sub>F</sub>	V	I <sub>F</sub> =		0.55	0.55 0.70			0.	85	0.95				
Deals Deverse Ourset	I <sub>RRM1</sub>	mA	(-)	Ta =25℃	0.5				0.1						
Peak Reverse Current	I <sub>RRM2</sub>	MA	V <sub>RM</sub> =V <sub>RRM</sub>	Ta=100℃	10					5.0					
Thermal	$R_{\theta_{J}-A}$	°C/	Between junct	tion and ambient	65					i i i i i i i i i i i i i i i i i i i					
Resistance(Typical)	R <sub>θJ-L</sub>	W	Between junct	20											

#### Notes:

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



# SS12~SS120 SCHOTTKY RECTIFIER DIODES

## **Typical Characteristics**

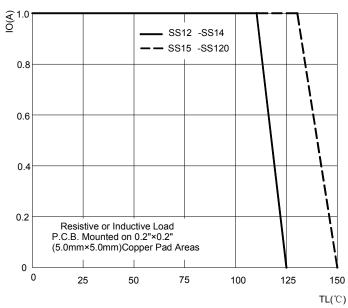
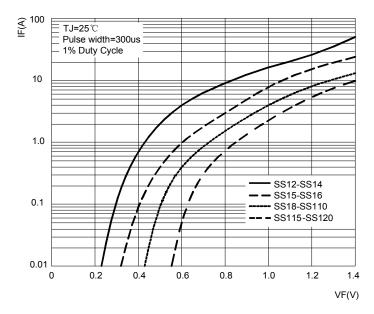


FIG.1: FORWARD CURRENT DERATING CURVE





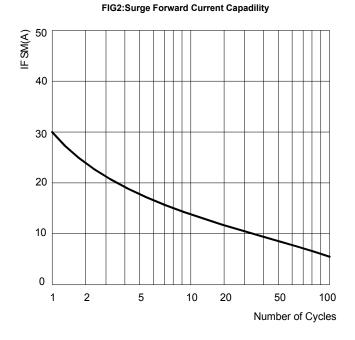
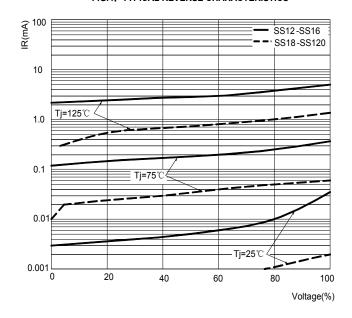
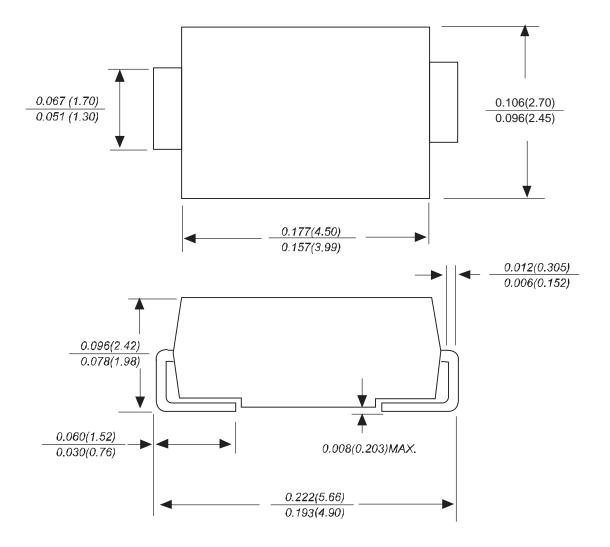


FIG.4: TYPICAL REVERSE CHARACTERISTICS





## **SMA Package Outline Dimensions**



Dimensions in inches and (millimeters)



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