

FEATURES

- Average Forward Current:I_{F(AV)}=1A
- Polarity: Color band denotes cathode



Package Marking and Ordering Information

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



★:From2-20

MAXIMUM RATINGS (Ta=25 unless otherwise noted)

lt a	011	Unit	Test Conditions		SS1										
Item	Symbol				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}	٧		14	21	28	35	42	56	70	105	140			
Average Forward Current	I _{F(AV)}	А	60Hz Half-sine wave, Resistance load, FIG.1	1.0											
Surge(Non-repetitive)Forward Current	I _{FSM}	А	60Hz Half-sine wave, 1 cycle,Ta=25℃	30											
Junction Temperature	TJ	$^{\circ}$		-55~+125 -55~+150											
Storage Temperature	T _{STG}	$^{\circ}$		-55 ~ + 150											

ELECTRICAL CHARACTERISTICS (Ta=25 unless otherwise specified)

			Tank Oam distan			SS1									
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 _{RM} =V _{RRM}	T _a =25°C		0.5					0.1				
	I _{RRM2}	ША		T _a =100°C			10			5.0					
Thermal	$R_{\theta J-A}$	°C/	Between junct	65											
Resistance(Typical)	R _{θJ-L}	W	Between junct	tion and terminal	20										

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.1: FORWARD CURRENT DERATING CURVE

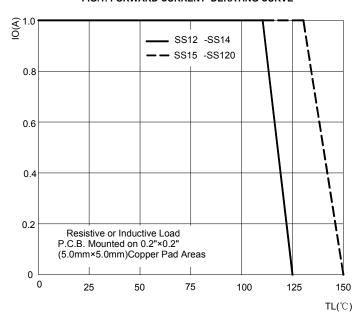


FIG2:Surge Forward Current Capadility

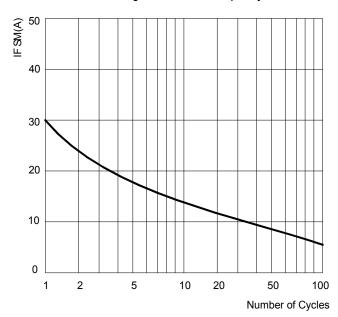


FIG.3: TYPICAL FORWARD CHARACTERISTICS

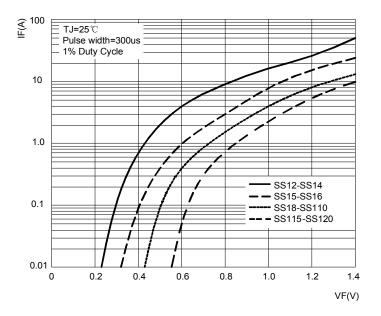
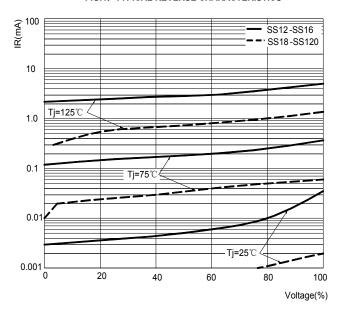
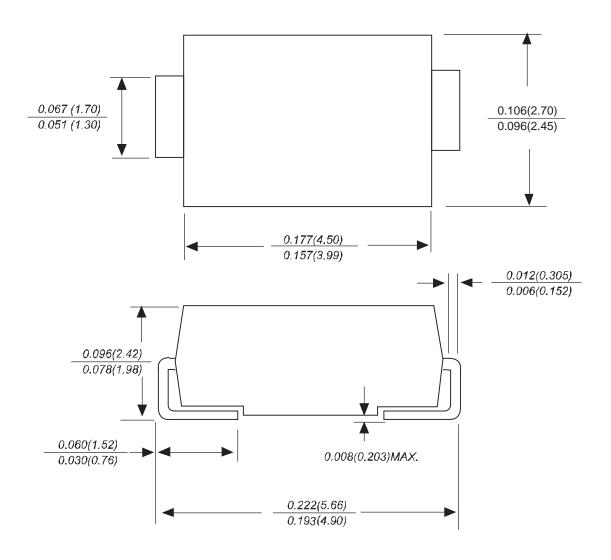


FIG.4: TYPICAL REVERSE CHARACTERISTICS



SMA Package Outline Dimensions



Dimensions in inches and (millimeters)



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