



Features

- Average Forward Current: $I_{F(AV)}=2A$
- Polarity: Color band denotes cathode

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SS2100B~ SS2200B	SMB	SS2x	3000

x: From 2-20



SMB



Maxmim Ratings (Ta=25°C unless otherwise noted)

Item	Symbol	Unit	Test Conditions	SS2		
				100B	150B	200B
Repetitive Peak Reverse Voltage	V_{RRM}	V		100	150	200
Maximum RMS Voltage	V_{RMS}	V		70	105	140
Average Forward Current	$I_{F(AV)}$	A	60Hz Half-sine wave, Resistance load, TL(Fig.1)	2.0		
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz Half-sine wave, 1 cycle, Ta=25 °C	50		
Junction Temperature	T_J	°C		-55~+150		
Storage Temperature	T_{STG}	°C		-55 ~ +150		

Electrcal Characteristics (Ta=25°C unless otherwise specified)

Item	Symbol	Unit	Test Condition		SS2		
					100B	150B	200B
Peak Forward Voltage	V _F	V	I _F =2.0A		0.85	0.95	
Peak Reverse Current	I _{RRM1}	mA	V _{RM} =V _{RRM}	T _a =25℃	0.1		
	T _a =100℃			5.0			
Thermal Resistance(Typical)	R _{θJ-A}	℃ / W	Between junction and ambient		75		
	R _{θJ-L}		Between junction and terminal		17		

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



Typical Characteristics

FIG.1: FORWARD CURRENT DERATING CURVE

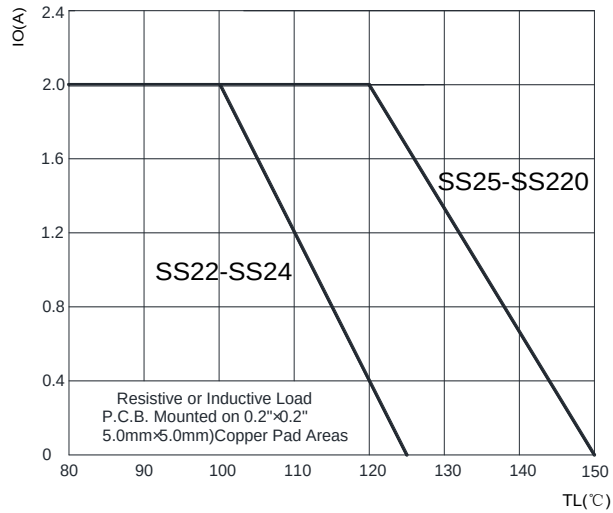


FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

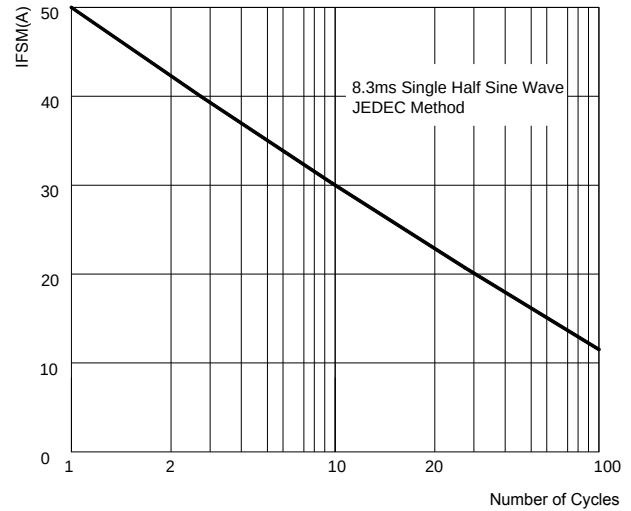


FIG.3: TYPICAL FORWARD CHARACTERISTICS

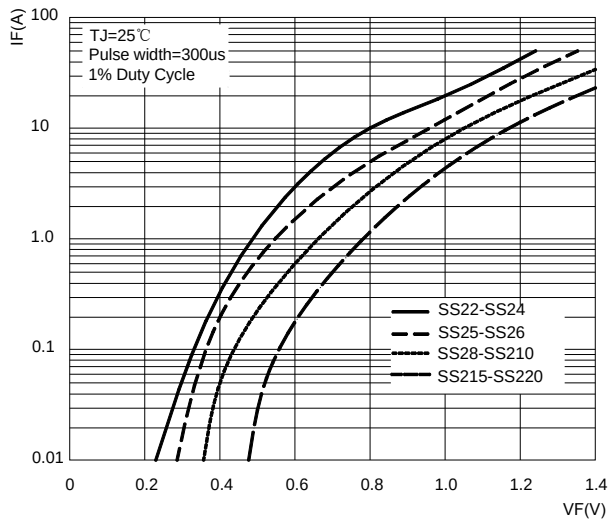
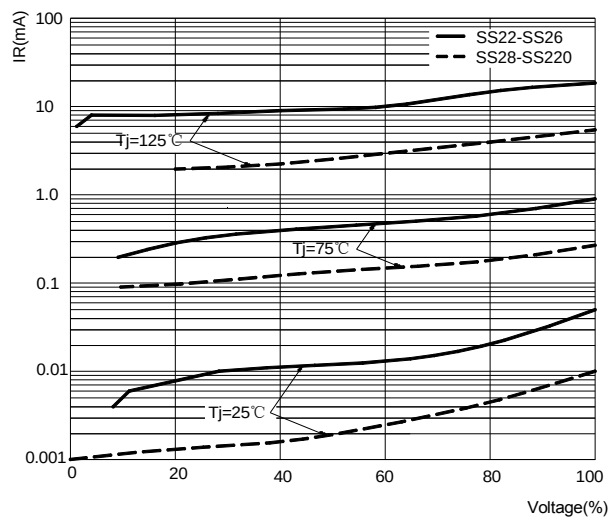
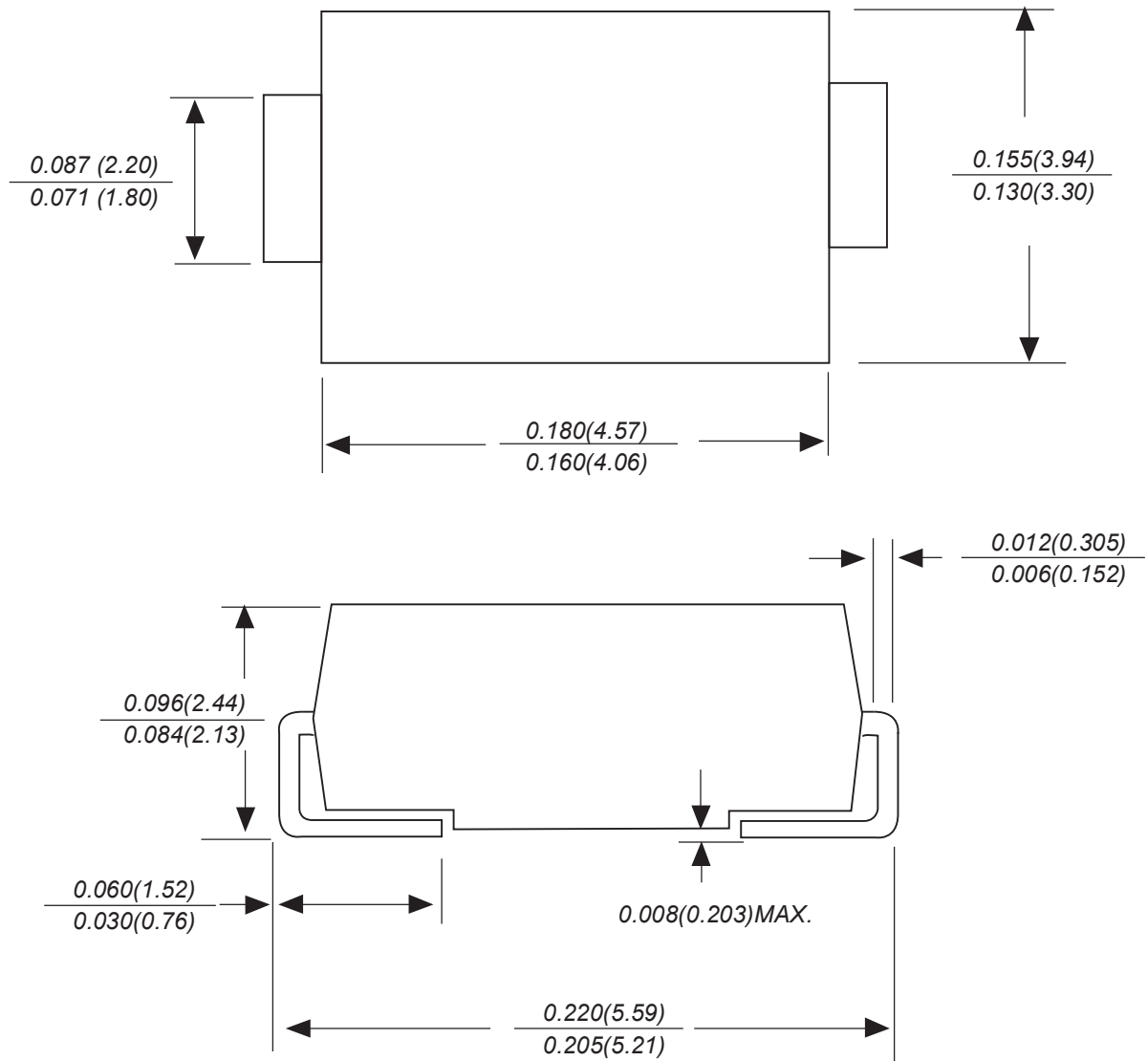


FIG.4: TYPICAL REVERSE CHARACTERISTICS





SMB Package Outline Dimensions



Dimensions in inches and (millimeters)



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