



### Features

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



SMB



### Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SS210~SS220	SMB	SS2x	3000

x: From 10-20

### Maximum Ratings (Ta=25°C unless otherwise noted)

Item	Symbol	Unit	Test Conditions	SS2		
				10	15	20
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		

### Electrical Characteristics (Ta=25°C unless otherwise specified)

Item	Symbol	Unit	Test Condition	SS2		
				10	15	20
Peak Forward Voltage	$V_F$	V	$I_F = 2.0A$	0.85	0.95	
Peak Reverse Current	$I_{RRM1}$	mA	$V_{RM} = V_{RRM}$	$T_a = 25^\circ C$		
	$I_{RRM2}$			$T_a = 100^\circ C$		
Thermal Resistance(Typical)	$R_{\theta J-A}$	°C / W	Between junction and ambient	75		
	$R_{\theta J-L}$		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

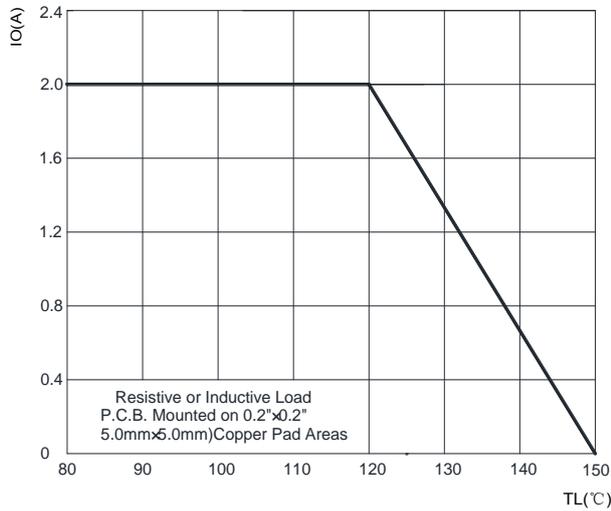


FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

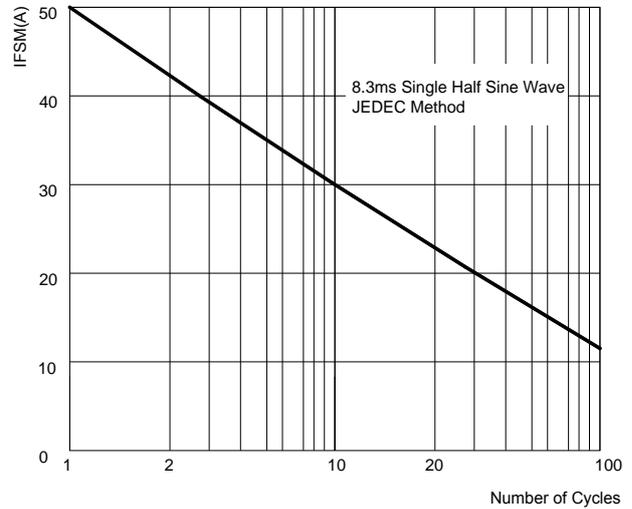


FIG.3: TYPICAL FORWARD CHARACTERISTICS

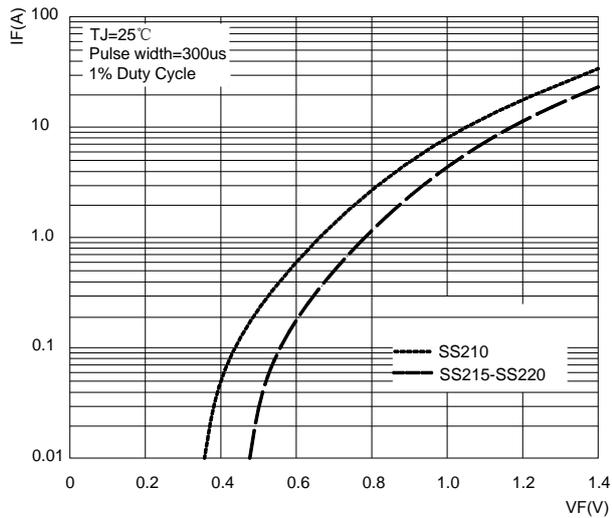
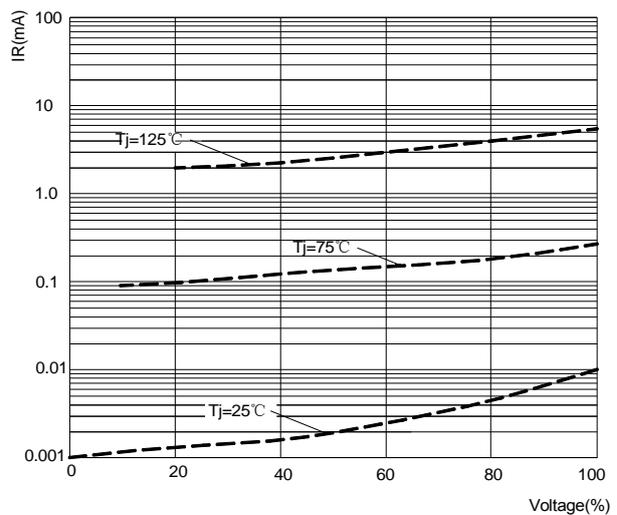
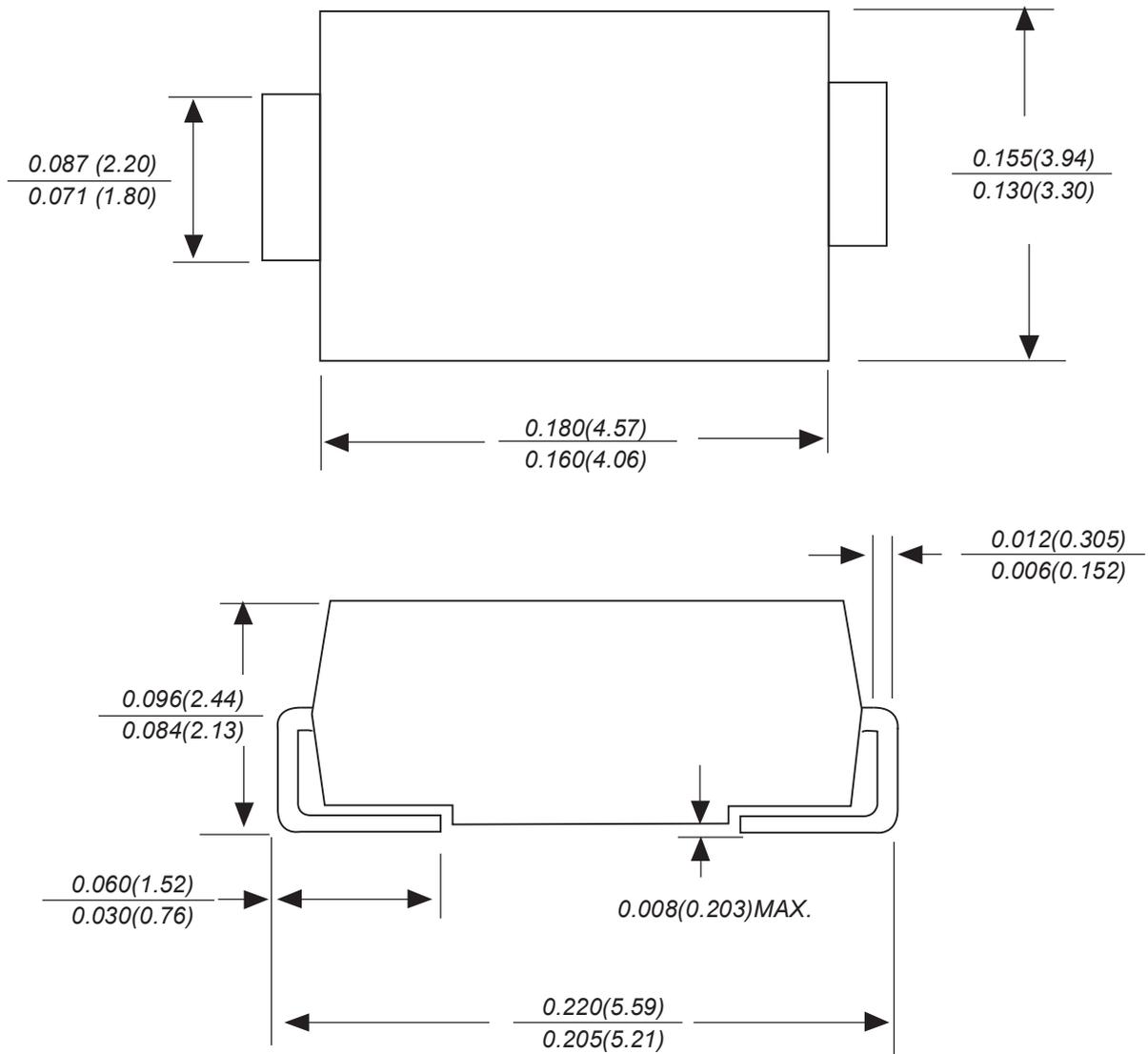


FIG.4: TYPICAL REVERSE CHARACTERISTICS





### SMB Package Outline Dimensions



*Dimensions in inches and (millimeters)*



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