

## **Features**

- Average Forward Current:I<sub>F(AV)</sub>=2A
- Polarity: Color band denotes cathode

## **Package Marking and Ordering Information**

Product ID	Pack	Marking	Qty(PCS)
ES2AB-ES2JB	SMA	ES2 <b>★</b>	2000



**SMB** 

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Maxmim Ratings (Ta=25 unless otherwise noted)

	Symbol	Unit		ES2							
Item			Test Conditions	AB	ВВ	СВ	DB	ЕВ	GB	НВ	JB
Repetitive Peak Reverse Voltage	$V_{RRM}$	V		50	100	150	200	300	400	500	600
Maximum RMS Voltage	VRMS	V		35	70	105	140	210	280	350	420
Average Forward Current	I <sub>F(AV)</sub>	А	60Hz Half-sine wave, Resistance load, Ta=110 °C	2.0							
Surge(Non-repetitive)Forward Current	I <sub>FSM</sub>	Α	60Hz Half-sine wave, 1 cycle,Ta=25℃	50							
Operation Junction and Storage Temperature Range	T <sub>J</sub> ,T <sub>STG</sub>	$^{\circ}$		-55 ~ +150							

Electrical Charcteristics (Ta=25 unless otherwise specified)

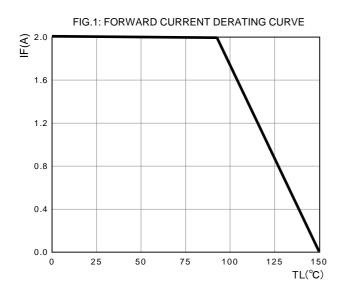
Licetical Offarcteristics		(14-20 diliess offici wise specifica)											
				ES2									
Item	Symbol	Unit	Test Condition		AB	ВВ	СВ	DB	EB	GB	НВ	JB	
Peak Forward Voltage	$V_{F}$	V	I <sub>F</sub> =2.0A			0.95			1.25		1.	1.7	
Maximum reverse recovery time	t <sub>rr</sub>	ns	I <sub>F</sub> =0.5A,I <sub>R</sub> =	35									
Peak Reverse Current	I <sub>RRM1</sub>		V <sub>RM</sub> =V <sub>RRM</sub>	T <sub>a</sub> =25℃	5.0								
	I <sub>RRM2</sub>	μA		T <sub>a</sub> =125℃	50								
Thermal Resistance(Typical)	$R_{\theta_{J-A}}$	· °C/W	Between junct	65									
	$R_{\theta J\text{-}L}$	C/ <b>VV</b>	Between junction and terminal		18								
Juction Capacitance (Typical)	Cj	pF	Measured at 11 Reverse Voltage	26				20					

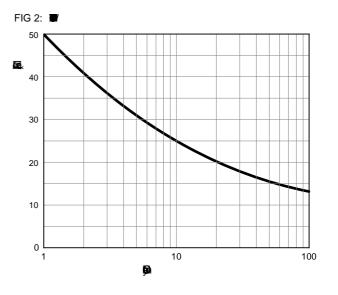
#### Notes:

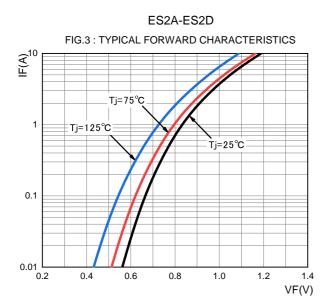
Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.27" x 0.27" (7.0 mm x 7.0 mm) copper pad areas

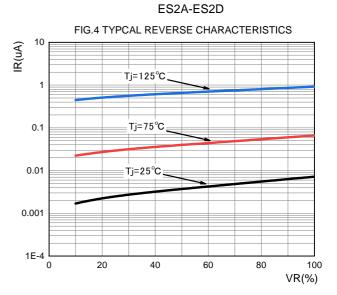


# **Typical Characteristics**

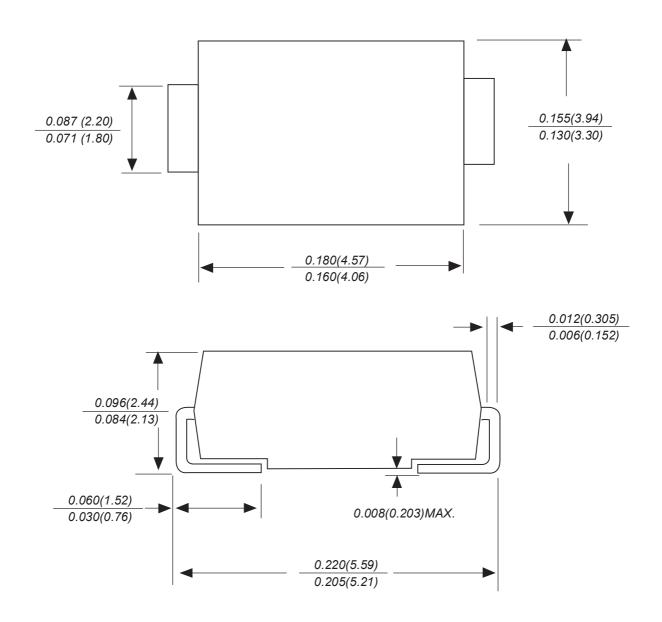




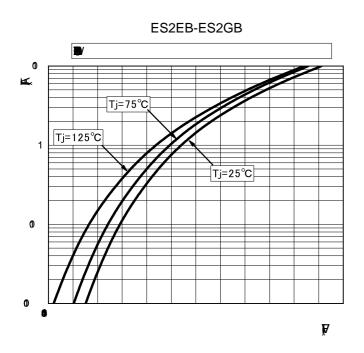


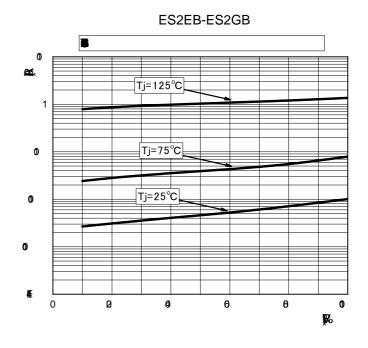


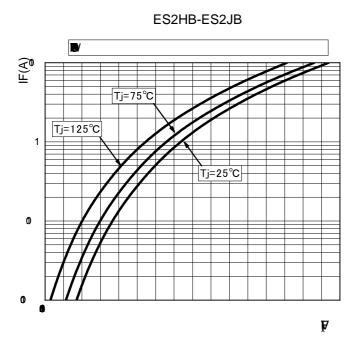
# **SMB Package Outline Dimensions**

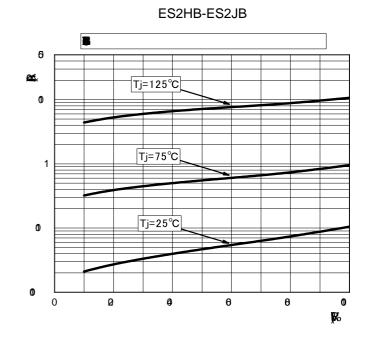


Dimensions in inches and (millimeters)

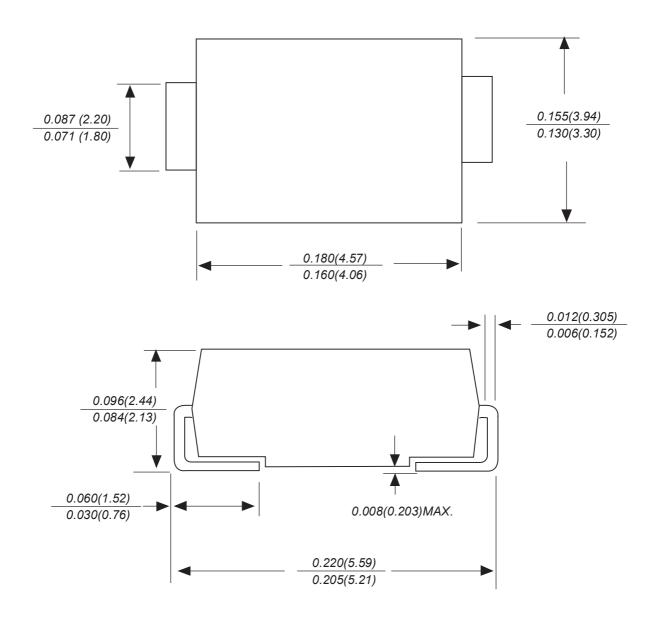








# **SMB Package Outline Dimensions**



Dimensions in inches and (millimeters)



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