

Features

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



(DO-214AA)

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
ES2AB-ES2JB	SMB (DO-214AA)	ES2x	3000



x: From A-J

Maximum Ratings (Ta=25 unless otherwise noted)

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

Electrcal Charcteristics (Ta=25 unless otherwise specified)

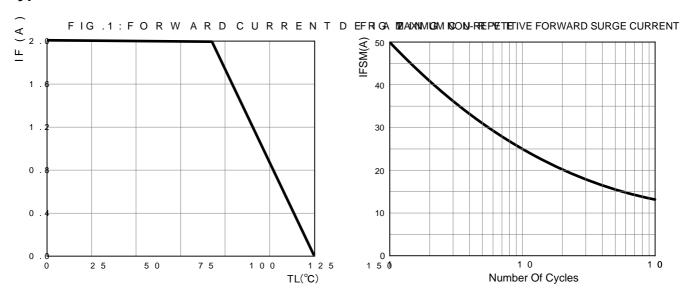
Liectical Charcie	รเาอเเบอ (1 a-23	a-25 unless otherwise specified)										
				ES2									
Item	Symbol	Unit	Test Condition		AB	BB	СВ	DB	EB	GB	НВ	JB	
Peak Forward Voltage	V_{F}	V	I _F =2	0.95				1.25		1.	1.7		
Maximum reverse recovery time	t _{rr}	ns	I _F =0.5A,I _R =	35									
Peak Reverse Current	I _{RRM1}	μA	V _{RM} =V _{RRM}	T _a =25℃	5.0								
	I _{RRM2}			T _a =125℃	50								
Thermal	$R_{\theta J-A}$	· °C/W	65										
Resistance(Typical)	$R_{\theta J-L}$	C7 VV	Between juncti	18									
Juction Capacitance (Typical)	Cj	pF	Measured at 1M Reverse Voltag		26					20			

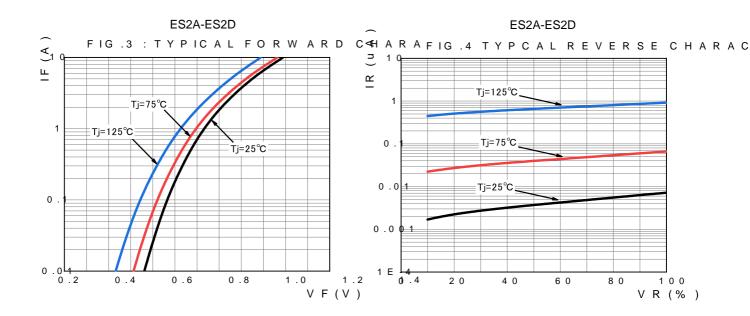
Notes:

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

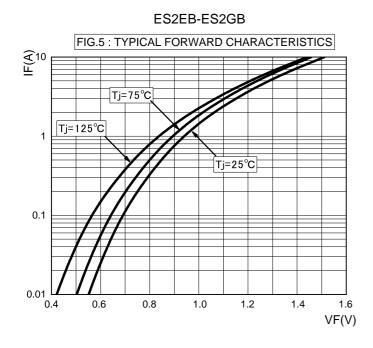


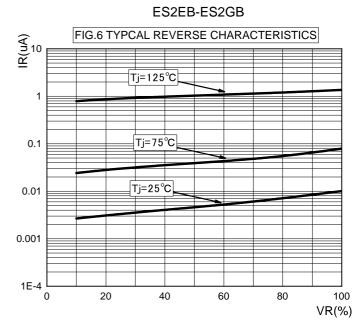
Typical Characteristics

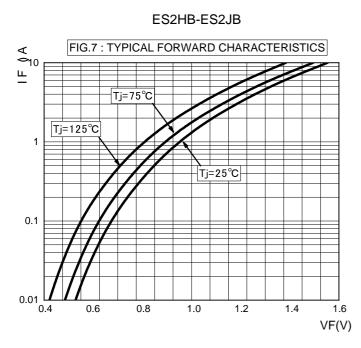


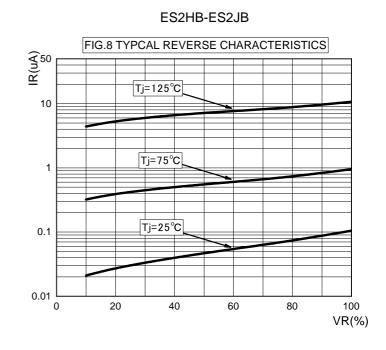






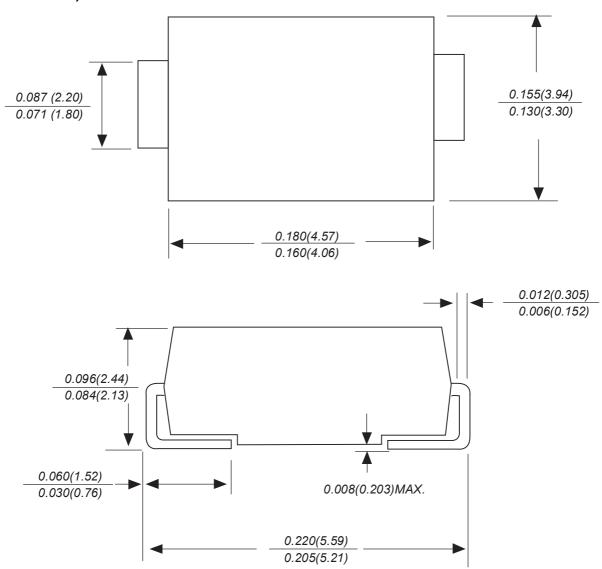








Package Outline Dimensions SMB(DO-214AA)



Dimensions in inches and (millimeters)



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