

SMB

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Features

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

Package Marking and Ordering Information

Product ID	roduct ID Pack		Qty(PCS)				
ES2A-ES2J	SMB	ES2x	3000				

x: From A-J

Maxmim Ratings (Ta=25 unless otherwise noted)

					ES2								
ltem	Symbol	Unit	Test Conditions	Α	В	С	D	Е	G	Н	J		
Repetitive Peak Reverse Voltage	V _{RRM}	V		50	100	150	200	300	400	500	600		
Maximum RMS Voltage	V _{RMS}	V		35	70	105	140	210	280	350	420		
Average Forward Current	I _{F(AV)}	A	60Hz Half-sine wave , Resistance load,Ta=110 ℃	2.0									
Surge(Non-repetitive)Forward Current	I _{FSM}	A	60Hz Half-sine wave, 1 cycle,Ta=25℃	50									
Operation Junction and Storage Temperature Range	T _J ,T _{STG}	°C		-55 ~ +150									

Electrcal Charcteristics (Ta=25 unless otherwise specified)

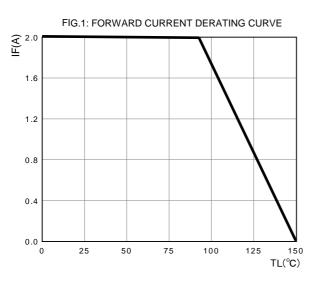
				ES2									
ltem	Symbol Unit		Test Condition			В	С	D	Е	G	Η	J	
Peak Forward Voltage	V _F	V	I _F =2.0A			0.95 1.25					1.	1.7	
Maximum reverse recovery time	t _{rr}	ns	I _F =0.5A,I _R =		35								
Peak Reverse Current	I _{RRM1}		V _{RM} =V _{RRM}	T _a =25℃	5.0								
	I _{RRM2}	μA	VRM-VRRM	Ta=125℃	50								
Thermal	$R_{\theta J-A}$	°C/W	Between juncti	ion and ambient	and ambient 65								
Resistance(Typical)	R _{θJ-L}	0111	Between juncti	ion and terminal	18								
Juction Capacitance (Typical)	Cj	pF	Measured at 1 Reverse Voltag			26			20				

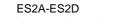
Notes:

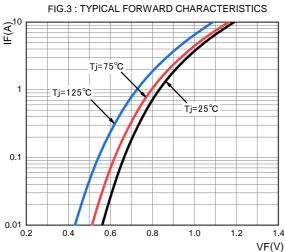
Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.27" x 0.27" (7.0 mm x 7.0 mm) copper pad areas



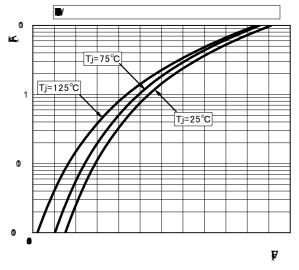
Typical Characteristics

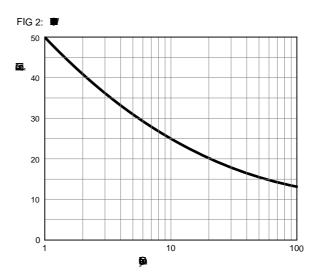




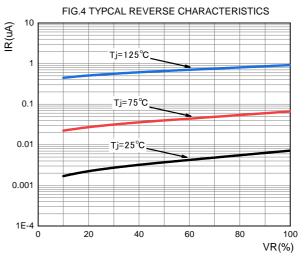




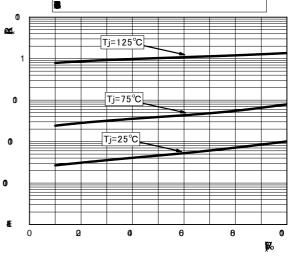


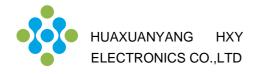


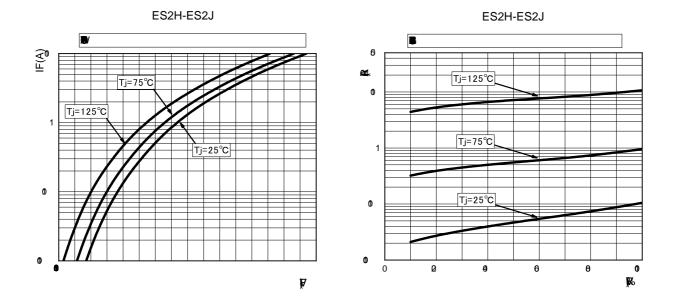








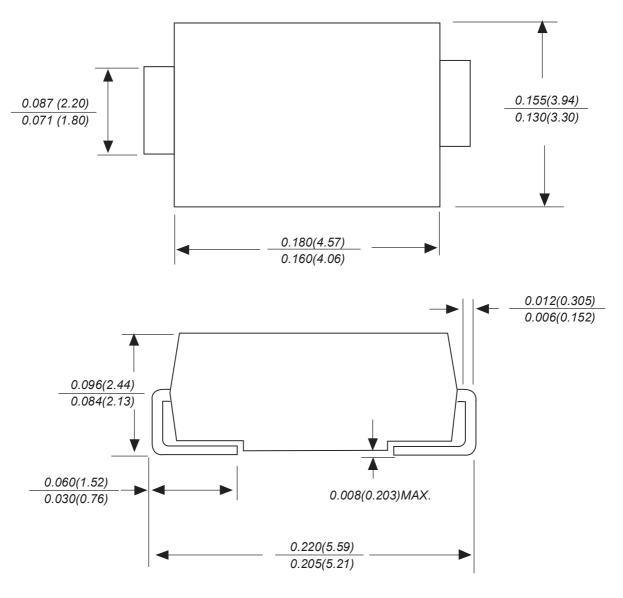






Package Outline Dimensions

SMB



Dimensions in inches and (millimeters)



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