

Features

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

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)				
ES2G-E3/52T	SMB	ES2x	3000				





SMB



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

	Symbol	Unit	,	ES2									
Item			Test Conditions	Α	В	С	D	Е	G	Н	J		
Repetitive Peak Reverse Voltage	V_{RRM}	٧		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}	°C		-55 ~ +150									

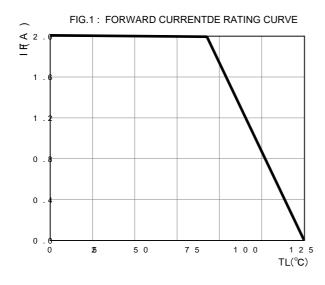
Electrical Characteristics (Ta=25°C unless otherwise specified)

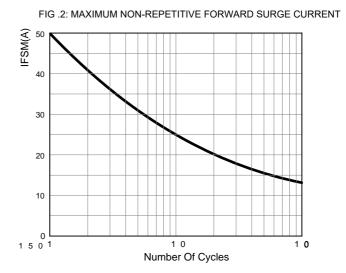
							ES2									
Item	Symbol	Unit	Test Condition			В	С	D	Е	G	Н	J				
Peak Forward Voltage	V_{F}	V	I _F =2.0A			0.95				25	1.7					
Maximum reverse recovery time	t _{rr}	ns	I _F =0.5A,I _R =1.0A,I _{rr} =0.25A						35							
Peak Reverse Current	I _{RRM1}		V _{RM} =V _{RRM}	T _a =25℃	5.0											
	I _{RRM2}	μA		T _a =125℃	50											
Thermal	$R_{\theta J\text{-A}}$	°C/W	Between junct	65												
Resistance(Typical)	$R_{\theta J\text{-}L}$	CTVV	Between junction and terminal			18										
Juction Capacitance (Typical)	Cj	pF	Measured at 1N Reverse Voltag			26		20								

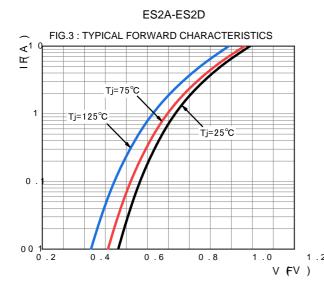
Notes:

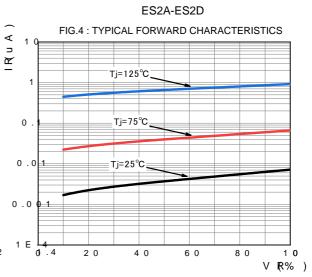
Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.27" x 0.27" (7.0 mm x 7.0 mm) copper pad areas

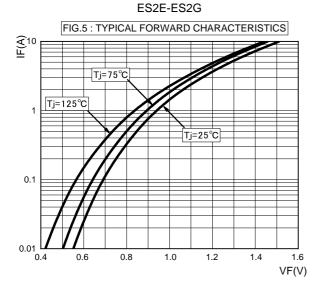
Typical Characteristics

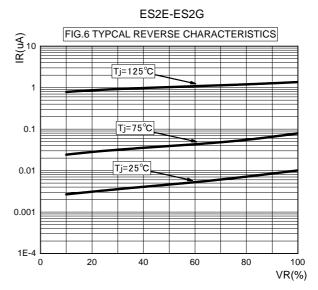


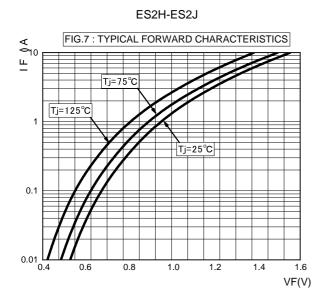


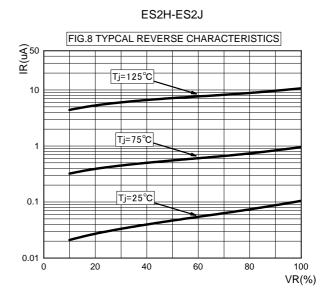






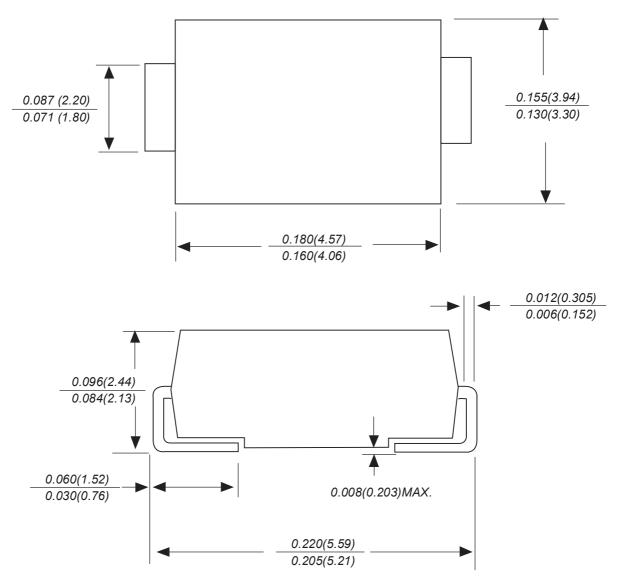








Package Outline Dimensions SMB



Dimensions in inches and (millimeters)



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