

Features

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

W.

Package Marking and Ordering Information

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







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

,	Symbol		ss otherwise noted)	ES2									
Item			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)}	А	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									

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

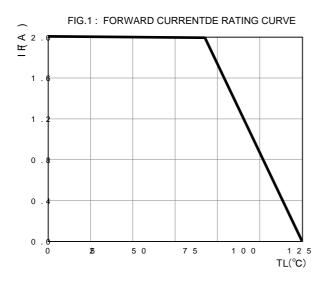
					ES2									
Item	Symbol	Unit	Test Condition			В	С	D	E	G	Н	J		
Peak Forward Voltage	V_{F}	V	I _F =2.0A			0.95			1.25		1.7			
Maximum reverse recovery time	t _{rr}	ns	I _F =0.5A,I _R =1.0A,I _{II} =0.25A						35					
Peak Reverse Current	I _{RRM1}		V _{RM} =V _{RRM}	T _a =25℃	5.0									
	I _{RRM2}	μA		T _a =125℃	50									
Thermal	$R_{\theta J-A}$	°C/W	Between juncti	ion and ambient	65									
Resistance(Typical)	$R_{\theta J\text{-}L}$	CIVV	Between junction and terminal			18								
Juction Capacitance (Typical)	Cj	pF	Measured at 1N Reverse Voltag			26			20	20				

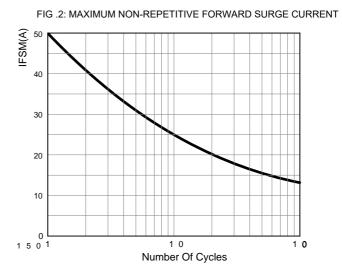
Notes:

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





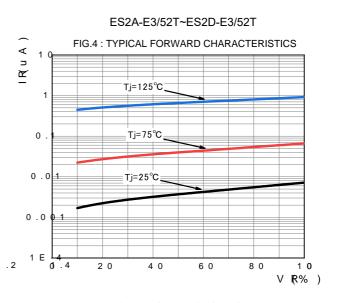
ES2A-E3/52T~ES2D-E3/52T

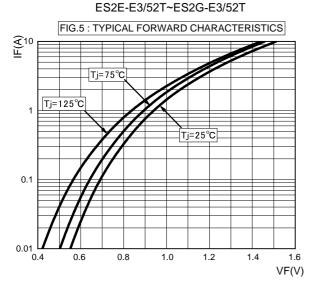
FIG.3: TYPICAL FORWARD CHARACTERISTICS

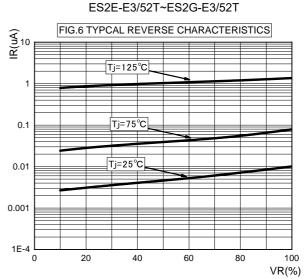
Tj=75°C

Tj=25°C

O . 2 O . 4 O . 6 O . 8 1 . 0 V (FV)

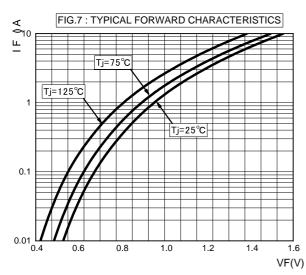




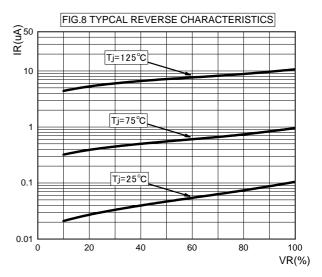


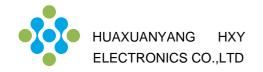


ES2H-E3/52T~ES2J-E3/52T

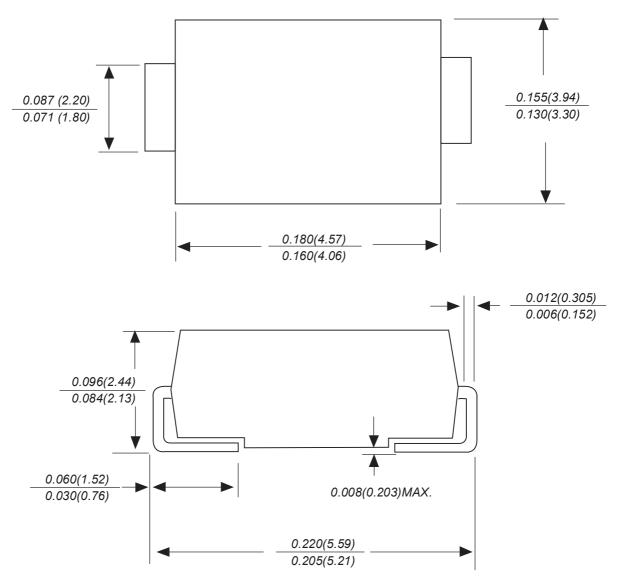


ES2H-E3/52T~ES2J-E3/52T





Package Outline Dimensions SMB



Dimensions in inches and (millimeters)



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