

FEATURES

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

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)				
ES2A-ES2J	SMA	ES2★	2000				





★:FromA-J

MAXIMUM RATINGS (Ta=25 unless otherwise noted)

		Unit		ES2									
Item	Symbol		Test Conditions	Α	В	С	D	Ε	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									

ELECTRICAL CHARACTERISTICS (Ta=25 unless otherwise specified)

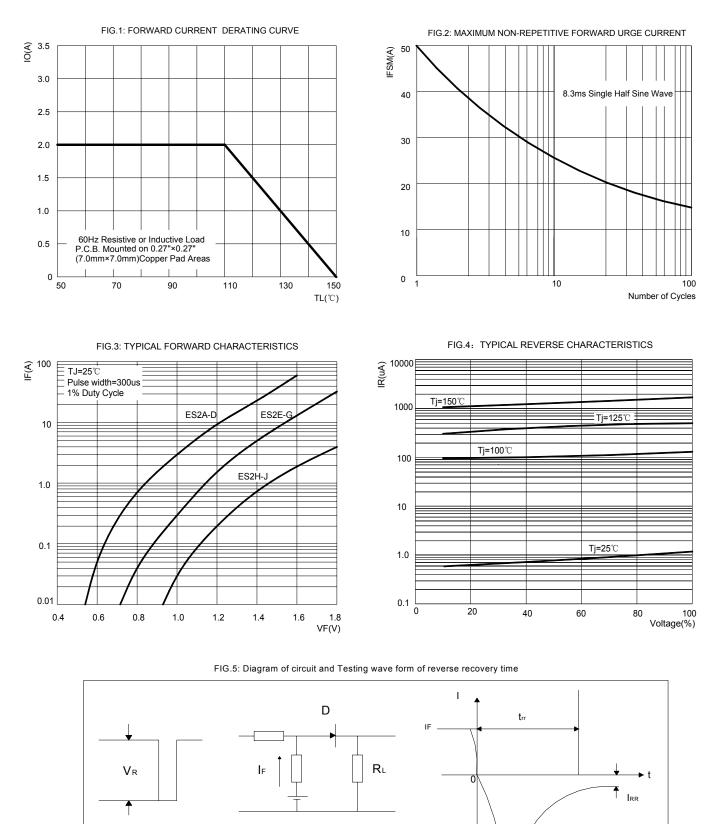
							ES2								
ltem	Symbol	Unit	Unit Test Condition			В	С	D	Е	G	Н	J			
Peak Forward Voltage	V_{F}	V	I _F =2.0A			0	.95		1.	1.7					
Maximum reverse recovery time	t _{rr}	ns	I _F =0.5A,I _R =1	35											
Peak Reverse Current	I _{RRM1}		V _{RM} =V _{RRM}	Ta=25℃	5.0										
	I _{RRM2}	μA		Ta=100℃	100										
Thermal	$R_{\theta_{J}-A}$	°C/W	Between juncti	ion and ambient	75										
Resistance(Typical)	$R_{ extsf{ heta}J extsf{-L}}$	0, 11	Between junction and terminal			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



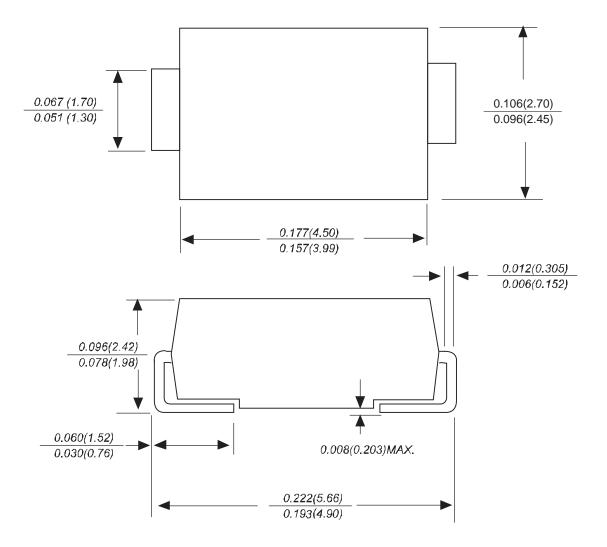
Typical Characteristics



IR



SMA Package Outline Dimensions



Dimensions in inches and (millimeters)



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