

### Features

- Average Forward Current:I<sub>F(AV)</sub>=2A
- Polarity: Color band denotes cathode

### Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)			
ES2A-ES2J	SMA (DO-214AC)	ES2x	2000			

x: From A-J



(DO-214AC)



# Maxmim Ratings (Ta=25 unless otherwise noted)

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

## Electrcal Charcteristics (Ta=25 unless otherwise specified)

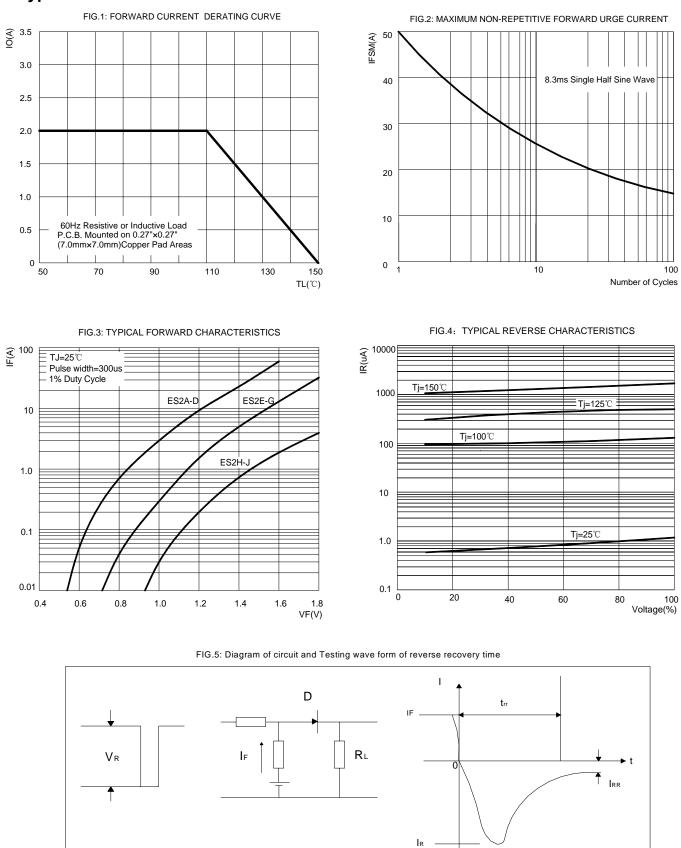
						ES2								
ltem	Symbol	Unit	Test Condition			В	С	D	Е	G	Η	J		
Peak Forward Voltage	V <sub>F</sub>	V	I <sub>F</sub> =2	0.95				1.25		1.7				
Maximum reverse recovery time	trr	ns	I <sub>F</sub> =0.5A,I <sub>R</sub> =	35										
Peak Reverse Current	I <sub>RRM1</sub>		V <sub>RM</sub> =V <sub>RRM</sub>	Ta=25℃	5.0									
	I <sub>RRM2</sub>	μA		Ta=100℃	100									
Thermal	$R_{\theta_{J}-A}$	°C/W	Between juncti	ion and ambient	75									
Resistance(Typical)	$R_{\theta J - L}$	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

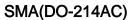


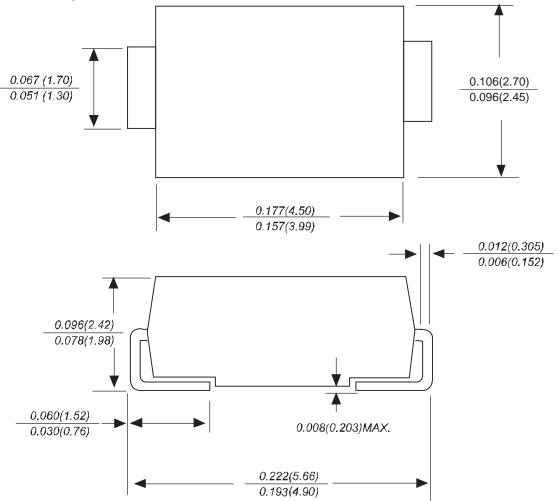
# **Typical Characteristics**





# **Package Outline Dimensions**





Dimensions in inches and (millimeters)



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