

Features

- Average Forward Current: I_{F(AV)}=1A
- Polarity: Color band denotes cathode

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)			
S2A-S2M	SMA (DO-214AC)	S2x	5000			







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

	Symbol	Unit	,	S2							
ltem			Test Conditions	Α	В	D	G	J	K	M	
Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	400	600	800	1000	
Maximum RMS Voltage	V _{RMS}	V		35	70	140	280	420	560	700	
Average Forward Current	I _{F(AV)}	Α	60Hz Half-sine wave, Resistance load, T _L =100°C	2.0							
Surge(Non-repetitive)Forward Current	I _{FSM}	Α	60Hz Half-sine wave , 1 cycle,Ta=25℃	50							
Operation Junction and Storage Temperature Range	T _J ,T _{STG}	°		-55 ~ + 150							

Electrcal Charcteristics (Ta=25 unless otherwise specified)

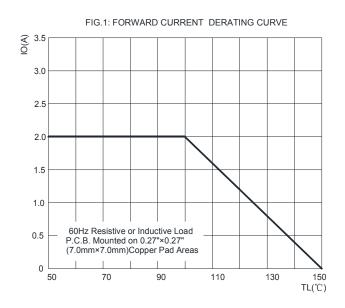
						S2							
Item	Symbol	Unit	Test Condition		Α	В	D	G	J	K	M		
Peak Forward Voltage	V _F	V	I _F =2.0A			1.1							
Peak Reverse Current	I _{RRM1}	μА	V _{RM} =V _{RRM}	T _a =25°C				5.0					
	I _{RRM2}			T _a =125℃				125					
Thermal	$R_{\theta J-A}$	°C/W	Between juncti	on and ambient	53								
Resistance(Typical)	$R_{ heta_{J-L}}$	CIVV	Between junction and terminal			16							

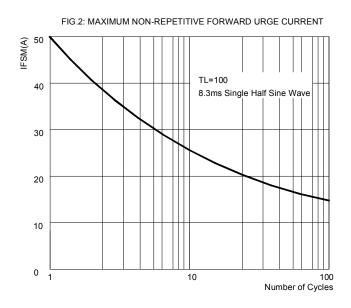
Notes:

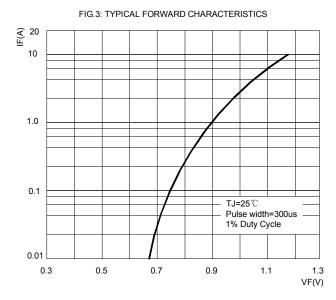
Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.27" x 0.27" (7.0 mm x 7.0 mm) copper pad areas

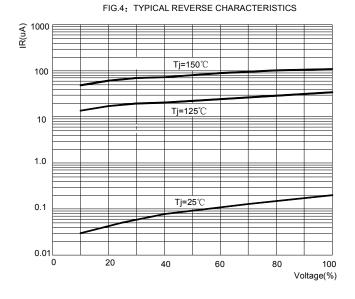


Typical Characteristics



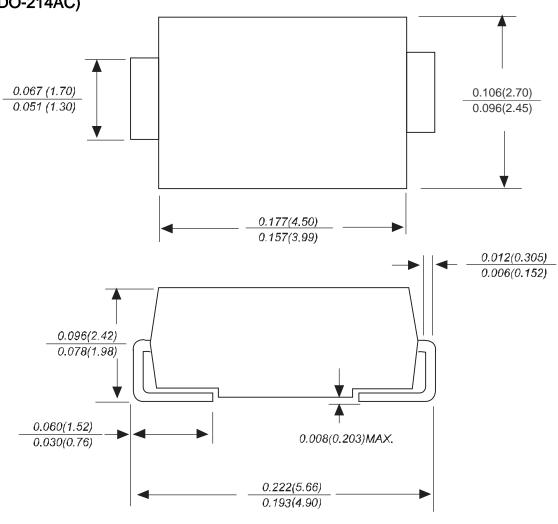








Package Outline Dimensions SMA(DO-214AC)



Dimensions in inches and (millimeters)



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