

FEATURES

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

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)			
S1A-S1M	SOD-123F	S1 米	3000			





★:From A-M

MAXIMUM RATINGS (Ta=25 unless otherwise noted)

	Symbol	Unit		S1							
ltem			Test Conditions	Α	В	D	G	J	κ	М	
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)}	A	60Hz Half-sine wave , Resistance load , T_L =100 $^\circ$	1.0							
Surge(Non-repetitive)Forward Current	I _{FSM}	A	60Hz Half-sine wave, 1 cycle,Ta=25℃	30							
Operation Junction and Storage Temperature Range	Tj,T _{STG}	°C		-55 ~ +150							

ELECTRICAL CHARACTERISTICS (Ta=25 unless otherwise specified)

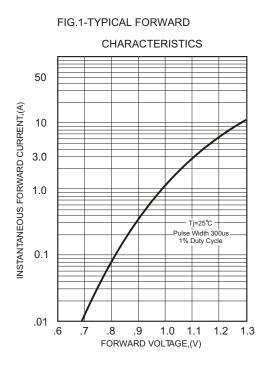
	Symbol Unit					S1						
ltem			Test Condition		Α	В	D	G	J	κ	М	
Peak Forward Voltage	V_{F}	V	I _F =2.0A			1.1						
Peak Reverse Current	I _{RRM1}	μA	V _{RM} =V _{RRM}	Ta=25℃				5.0				
	I _{RRM2}			Ta=125℃				50				
Thermal	$R_{\theta_{J\text{-}A}}$	°C/W	Between juncti	on and ambient	80							
Resistance(Typical)	$R_{_{ extsf{ heta}J}-L}$	0777	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



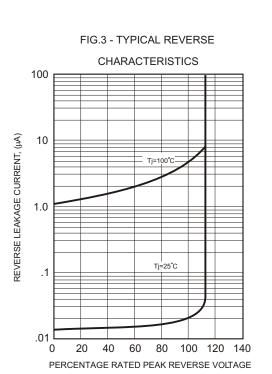
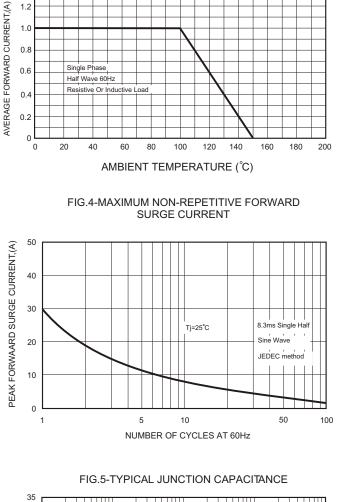
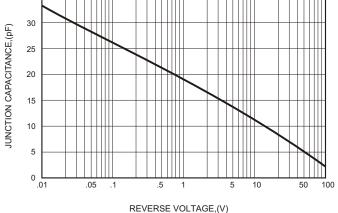


 FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

 1.2

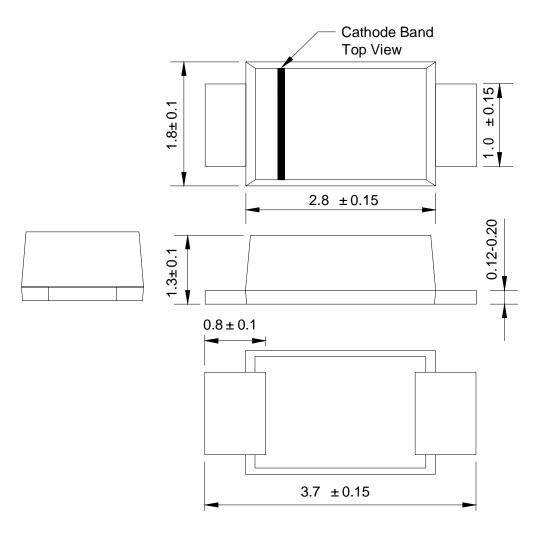




Shenzhen HuaXuanYang Electronics CO.,LTD



SOD-123F Package Outline Dimensions





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