

FEATURES

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

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)			
M1F-M7F	SMAF	M * F	10000			



SMAF

-	0	-	

★:From 1-7

MAXIMUM RATINGS (Ta=25 unless otherwise noted)

		Unit	Test Conditions	M								
Item	Symbol			1F	2F	3F	4F	5F	6F	7F		
Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	400	600	800	1000		
Maximum RMS Voltage	VRMS	V		35	70	140	280	420	560	700		
Average Forward Current	I _{F(AV)}	A	60Hz Half-sine wave , Resistance load , TL=75 $^\circ\!$	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	T _J ,T _{STG}	°C		-55 ~ +150								

ELECTRICAL CHARACTERISTICS (Ta=25 unless otherwise specified)

			Test Condition		м							
ltem	Symbol	Unit			1F	2F	3F	4F	5F	6F	7F	
Peak Forward Voltage	V_{F}	V	I _F =1.0A			1.0						
Peak Reverse Current	I _{RRM1}	μA	V _{RM} =V _{RRM}	Ta=25℃				5				
	I _{RRM2}			Ta=125℃				50				
Thermal	$R_{\theta J\text{-}A}$	°C/W	Between juncti	on and ambient	55							
Resistance(Typical)	$R_{\theta_{J}-L}$		Between junction and terminal					25				

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas



Typical Characteristics

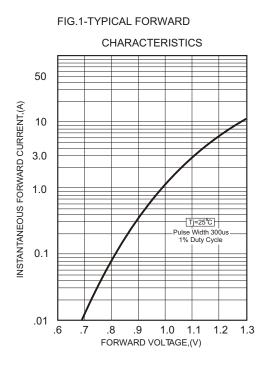


FIG.3 - TYPICAL REVERSE

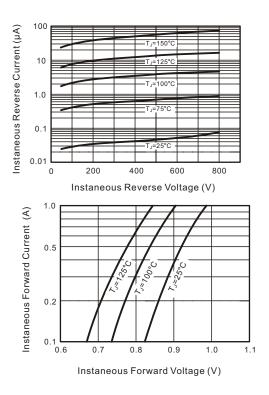
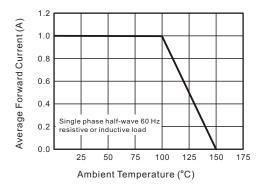
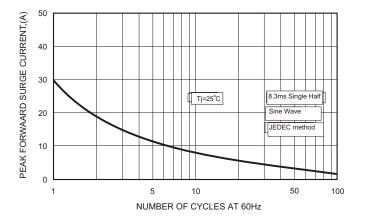


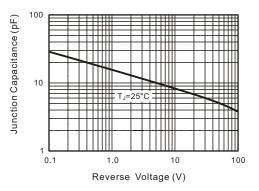
FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE





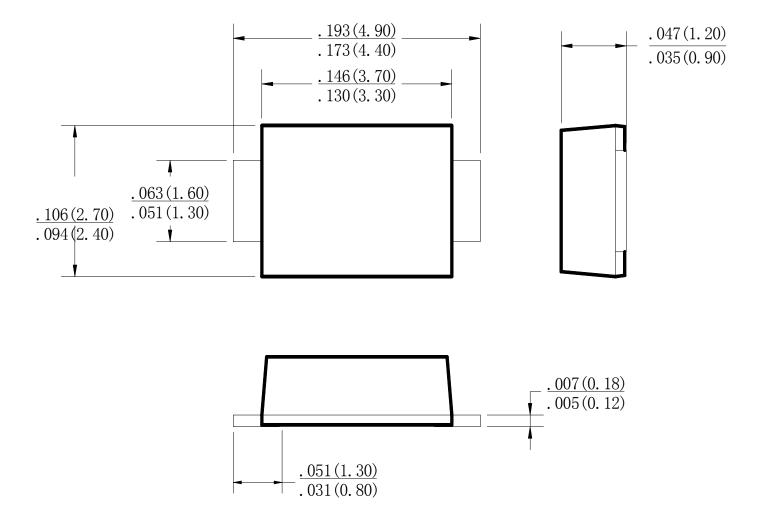








SMAF Package Outline Dimensions



Dimensions in inches and (millimeters)



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