

Features

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

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
1N4001W- 1N4007W	SMA	Mx	2000







Maximum Ratings (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Test Conditions	1N400							
				1W	2W	3W	4W	5W	6W	7W	
Repetitive Peak Reverse Voltage	V_{RRM}	٧		50	100	200	400	600	800	1000	
Maximum RMS Voltage	V _{RMS}	٧		35	70	140	280	420	560	700	
Average Forward Current	I _{F(AV)}	А	60Hz Half-sine wave, Resistance load, T _L =75℃	1.0							
Surge(Non-repetitive)Forward Current	I _{FSM}	Α	60Hz Half-sine wave , 1 cycle,Ta=25℃	30							
Operation Junction and Storage Temperature Range	T _J ,T _{STG}	$^{\circ}$		-55 ~ +150							

Electrical Characteristics (Ta=25 unless otherwise specified)

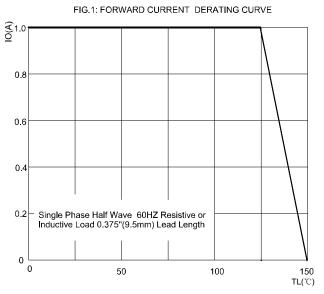
						1N400						
Item	Symbol	Unit	Test Condition		1W	2W	3W	4W	5W	6W	7W	
Peak Forward Voltage	V_{F}	V	I _F =1.0A			1.0						
Peak Reverse Current	I _{RRM1}	μА	V _{RM} =V _{RRM}	T _a =25℃				5				
	I _{RRM2}			T _a =125℃				50				
Thermal	$R_{\theta J-A}$	°C/W	Between juncti	ion and ambient	55							
Resistance(Typical)	$R_{ heta_{J-L}}$	CIVV	Between junction and terminal			25						

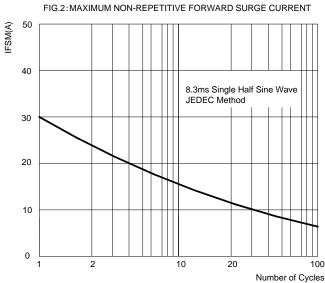
Notes:

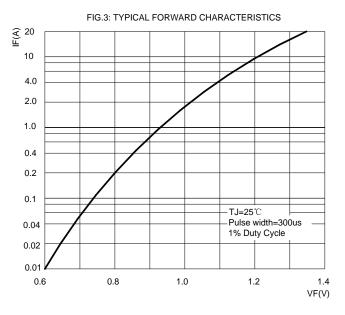
Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

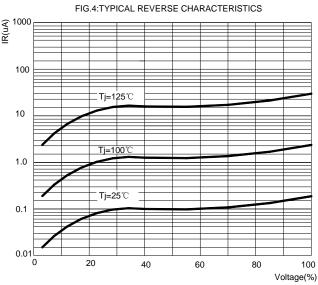


Typical Characteristics



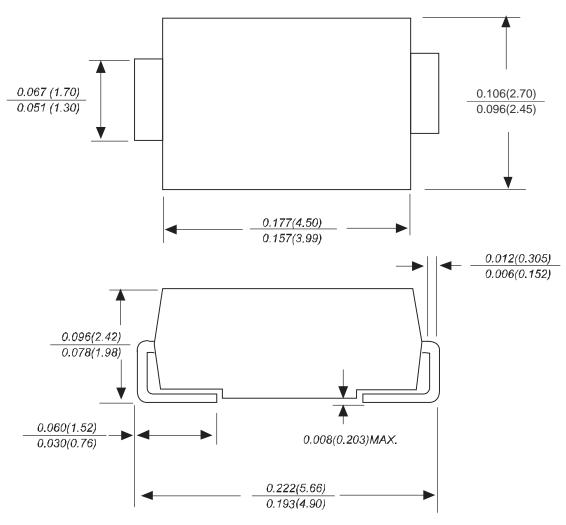








Package Outline Dimensions SMA



Dimensions in inches and (millimeters)



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