

FEATURES

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

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SM4001PL- SM4007PL	SOD-123F	A *	3000



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*: From 1-7

MAXIMUM RATINGS (Ta=25 unless otherwise noted)

Rating 25°C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	A1	A2	A3	A4	A5	A6	A7	UNITS
Maximum Recurrent Peak Reverse Voltage		100	200	400	600	800	1000	V
Maximum RMS Voltage		70	140	280	420	560	700	V
Maximum DC Blocking Voltage		100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current								
at Ta=75°C		1.0					A	
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		25						А
Maximum Instantaneous Forward Voltage at 1.0A		11						V
Maximum DC Reverse Current Ta=25°C		5.0						μA
at Rated DC Blocking Voltage Ta=100°C		50						μA
Typical Junction Capacitance (Note 1)		15						pF
Typical Thermal Resistance R JA (Note 2)		80					°C/W	
Operating and Storage Temperature Range TJ, Tstg		-65-+150					°C	

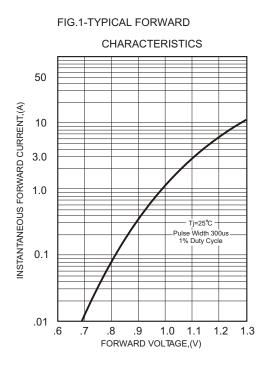
NOTES:

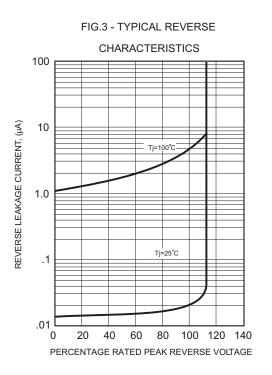
1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

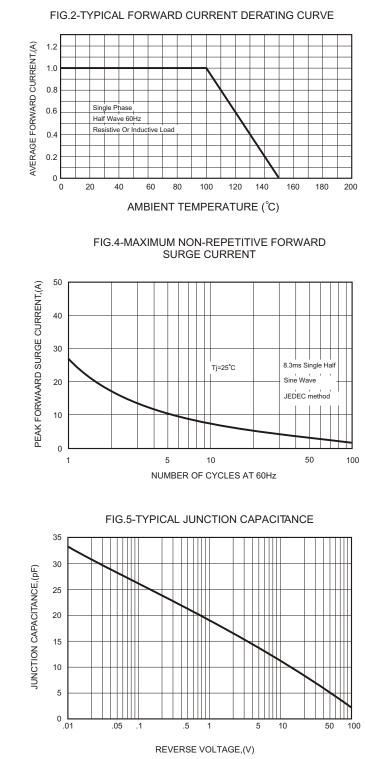
2. Thermal Resistance from Junction to Ambient.



Typical Characteristics

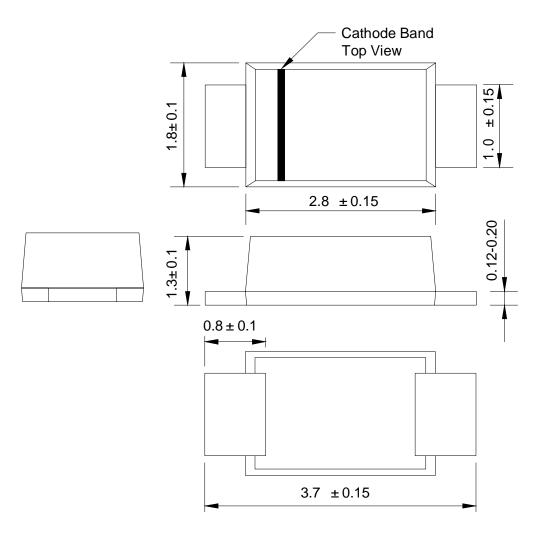








SOD-123F Package Outline Dimensions





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