

#### Features

- Average Forward Current: I<sub>F(AV)</sub> =1A
- Polarity: Color band denotes cathode

### Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)		
A1-A7	SOD-123FL	Ax	3000		



SOD-123FL

 $\blacksquare$ 

0-

-0

x: From 1-7

## Maxmim Ratings (Ta=25°C unless otherwise noted)

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	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at Ta=75°C	1.0							А
Peak Forward Surge Current, 8.3 ms single half sine-wave         superimposed on rated load (JEDEC method)         Maximum Instantaneous Forward Voltage at 1.0A		25						
		1.1						
Maximum DC Reverse Current Ta=25°C	5.0							uA
at Rated DC Blocking Voltage Ta=100℃ Typical Junction Capacitance (Note 1) Typical Thermal Resistance RgJA (Note 2)		50						
		15						
		80						°C/W
Operating and Storage Temperature Range TJ, Tsтс	-65-+150						°C	

Notes:

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

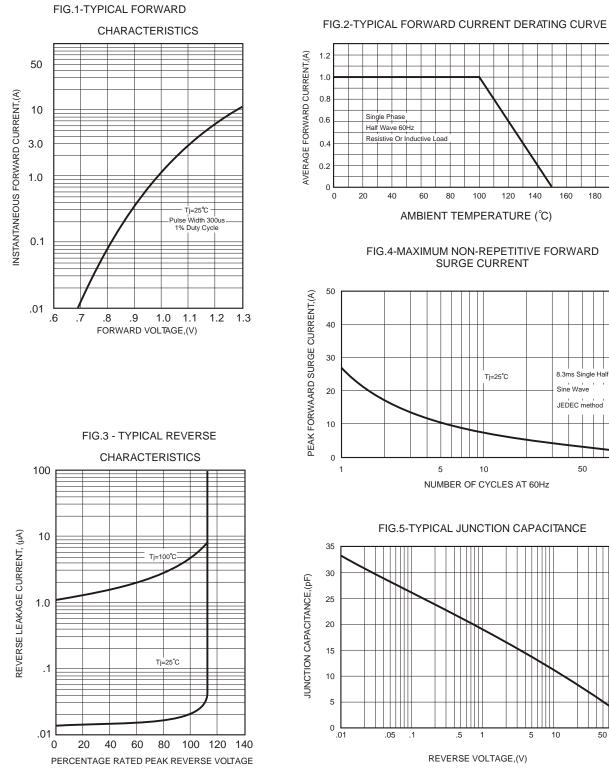
2. Thermal Resistance from Junction to Ambient.



200

100

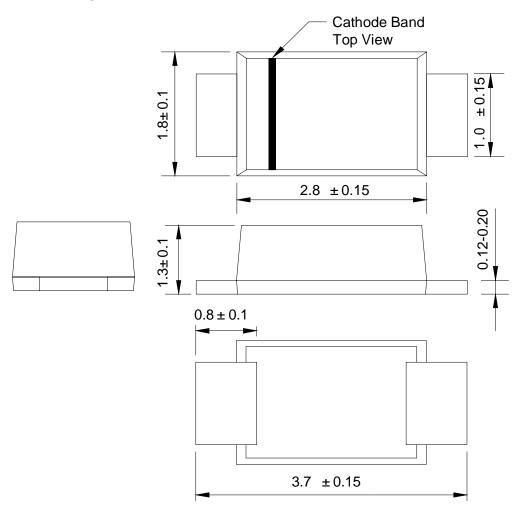
# **Typical Characteristics**



100



## SOD-123FL Package Outline Dimensions





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