

Features

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



Package Marking and Ordering Information

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





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		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							
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		25							
Maximum Instantaneous Forward Voltage at 1.0A		1.1							
Maximum DC Reverse Current Ta=25°C		5.0							
at Rated DC Blocking Voltage Ta=100℃		50							
Typical Junction Capacitance (Note 1)		15							
Typical Thermal Resistance RgJA (Note 2)		80							
Operating and Storage Temperature Range T _J , Tsτc		-65—+150							

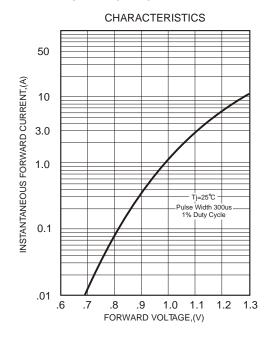
Notes:

- 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
- 2. Thermal Resistance from Junction to Ambient.



Typical Characteristics

FIG.1-TYPICAL FORWARD



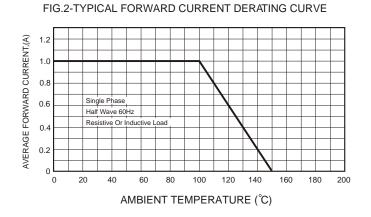


FIG.4-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

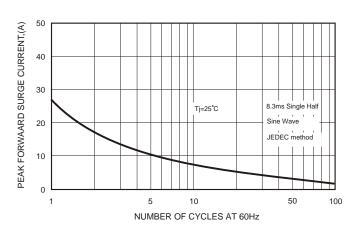


FIG.3 - TYPICAL REVERSE

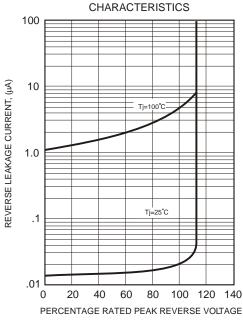
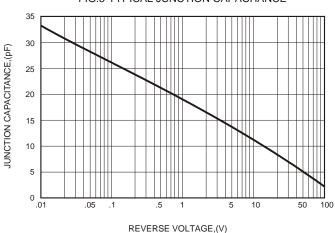
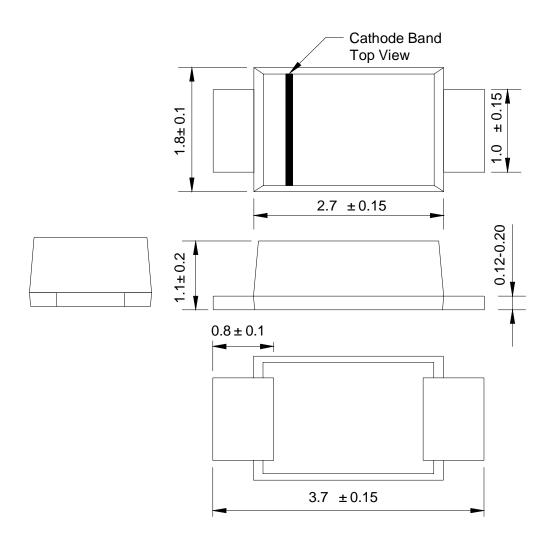


FIG.5-TYPICAL JUNCTION CAPACITANCE



SOD-123FL Package Outline Dimensions





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