

FEATURES

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

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SOD4007	SOD-123F	A7	3000



-	14	
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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%.

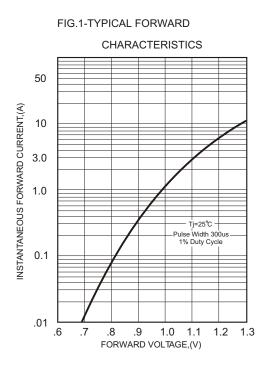
TYPE NUMBER	SOD4007	UNITS
Maximum Recurrent Peak Reverse Voltage	1000	V
Maximum RMS Voltage	700	V
Maximum DC Blocking Voltage	1000	V
Maximum Average Forward Rectified Current		
at Ta=75°C	1.0	А
Peak Forward Surge Current, 8.3 ms single half sine-wave		
superimposed on rated load (JEDEC method)	25	А
Maximum Instantaneous Forward Voltage at 1.0A	1 1	V
Maximum DC Reverse Current Ta=25°C	5.0	μA
at Rated DC Blocking Voltage Ta=100 ℃	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	⊃°

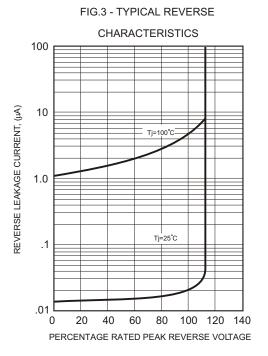
NOTES:

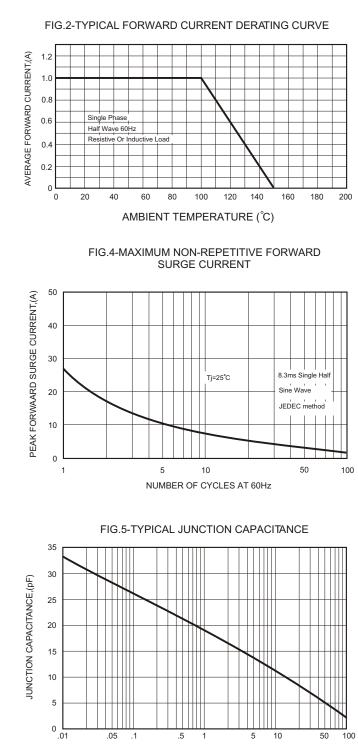
- 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
- 2. Thermal Resistance from Junction to Ambient.



Typical Characteristics



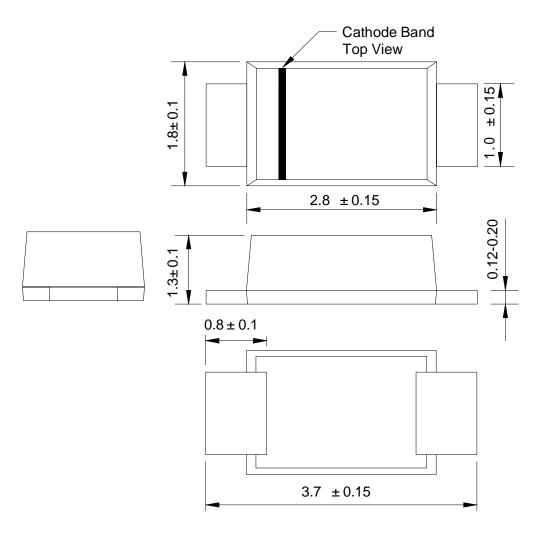




REVERSE VOLTAGE,(V)



SOD-123F Package Outline Dimensions





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