

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-123FL	A7	3000



SOD-123FL



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		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	uA
at Rated DC Blocking Voltage	Ta=100°C	50	uA
Typical Junction Capacitance (Note 1)		15	pF
Typical Thermal Resistance RqJA (Note 2)		80	°C/W
Operating and Storage Temperature Range Т _J , Тsтс		-65 — +150	°C

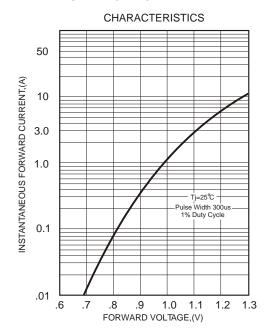
NOTES:

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



Typical Characteristics

FIG.1-TYPICAL FORWARD



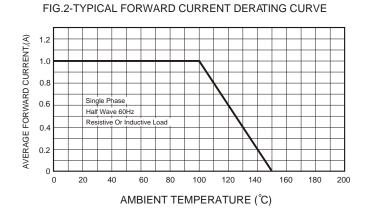


FIG.4-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

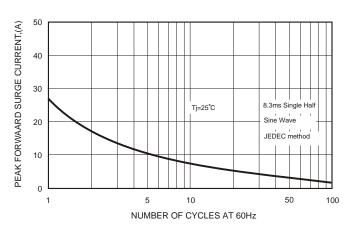


FIG.3 - TYPICAL REVERSE

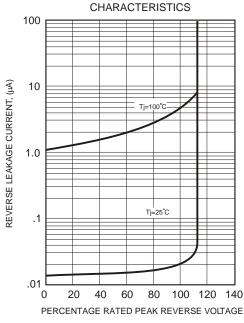
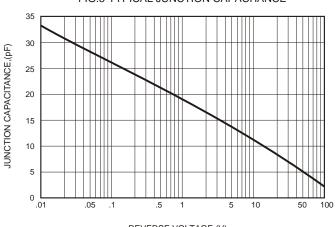
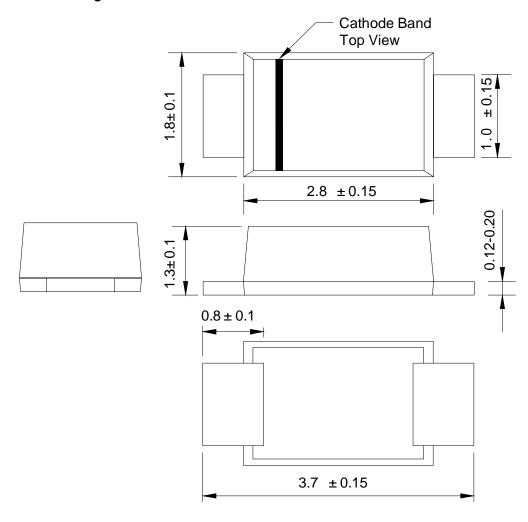


FIG.5-TYPICAL JUNCTION CAPACITANCE



SOD-123FL Package Outline Dimensions





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