



Features

- Average Forward Current: $I_{F(AV)} = 2A$
- Polarity: Color band denotes cathode



SOD-123FL



x: From 2-10

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SK22-SK210	SOD-123FL	K2x	3000

Maximum 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	SK22	SK23	SK24	SK25	SK26	SK28	SK29	SK210	Units
Maximum Recurrent Peak Reverse Voltage	20	30	40	50	60	80	90	100	V
Maximum RMS Voltage	14	21	28	35	42	56	63	70	V
Maximum DC Blocking Voltage	20	30	40	50	60	80	90	100	V
Maximum Average Forward Rectified Current See Fig. 1						2.0			A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)					50				A
Maximum Instantaneous Forward Voltage at 2.0A	0.55		0.70		0.85				V
Maximum DC Reverse Current Ta=25°C at Rated DC Blocking Voltage Ta=100°C		0.1			0.02				mA
Typical Junction Capacitance (Note1)			170						pF
Typical Thermal Resistance R JA (Note 2)		80							°C/W
Operating Temperature Range Tj		-65	—+150						°C
Storage Temperature Range Tstg		-65	—+150						°C

NOTES:

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



Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

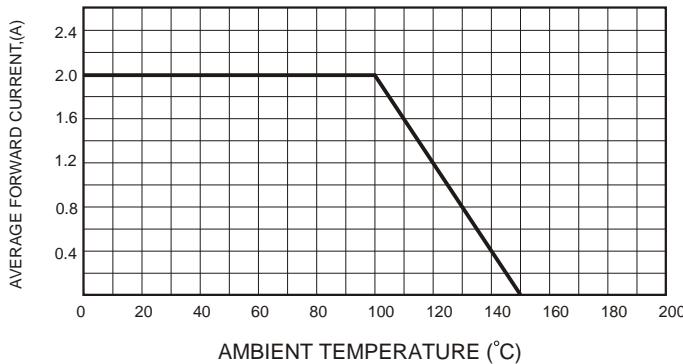


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

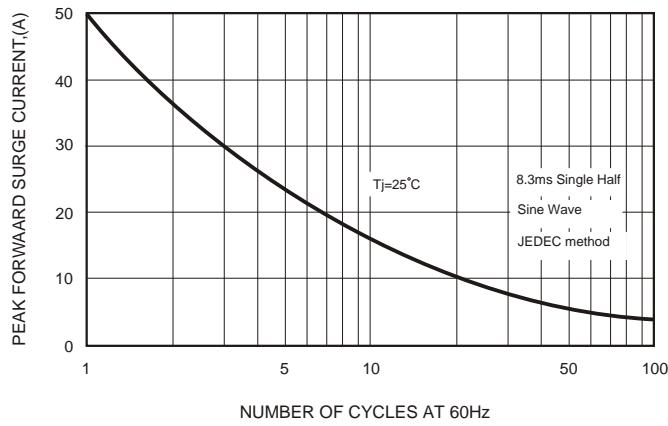


FIG.4-TYPICAL JUNCTION CAPACITANCE

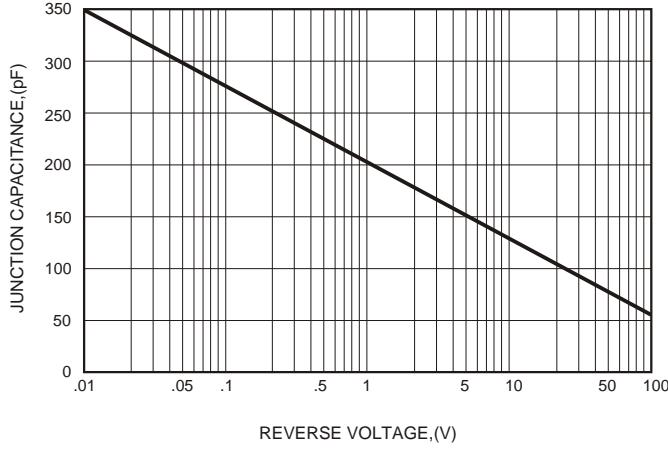


FIG.2-TYPICAL FORWARD CHARACTERISTICS

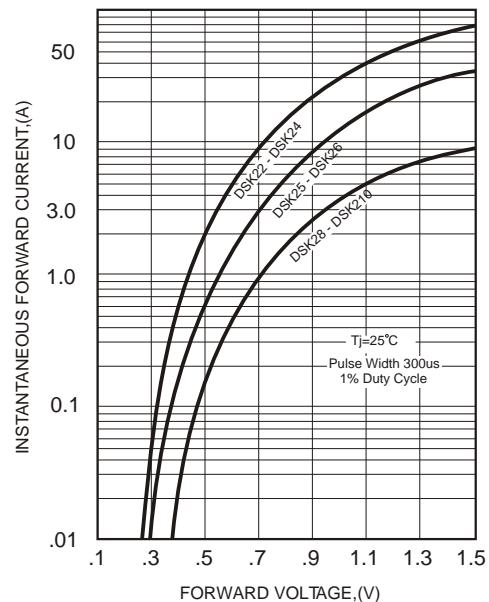
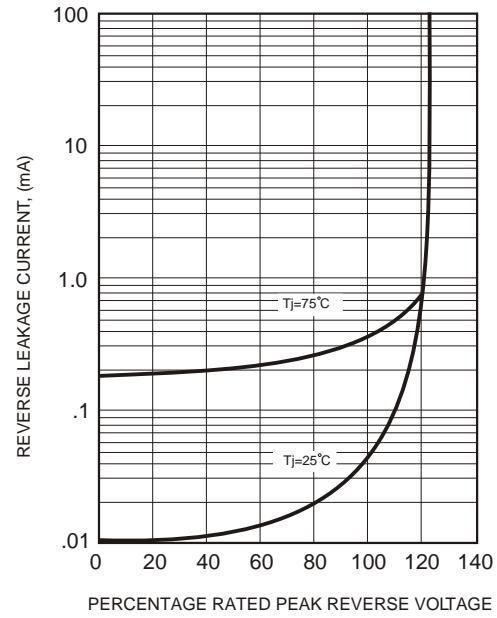
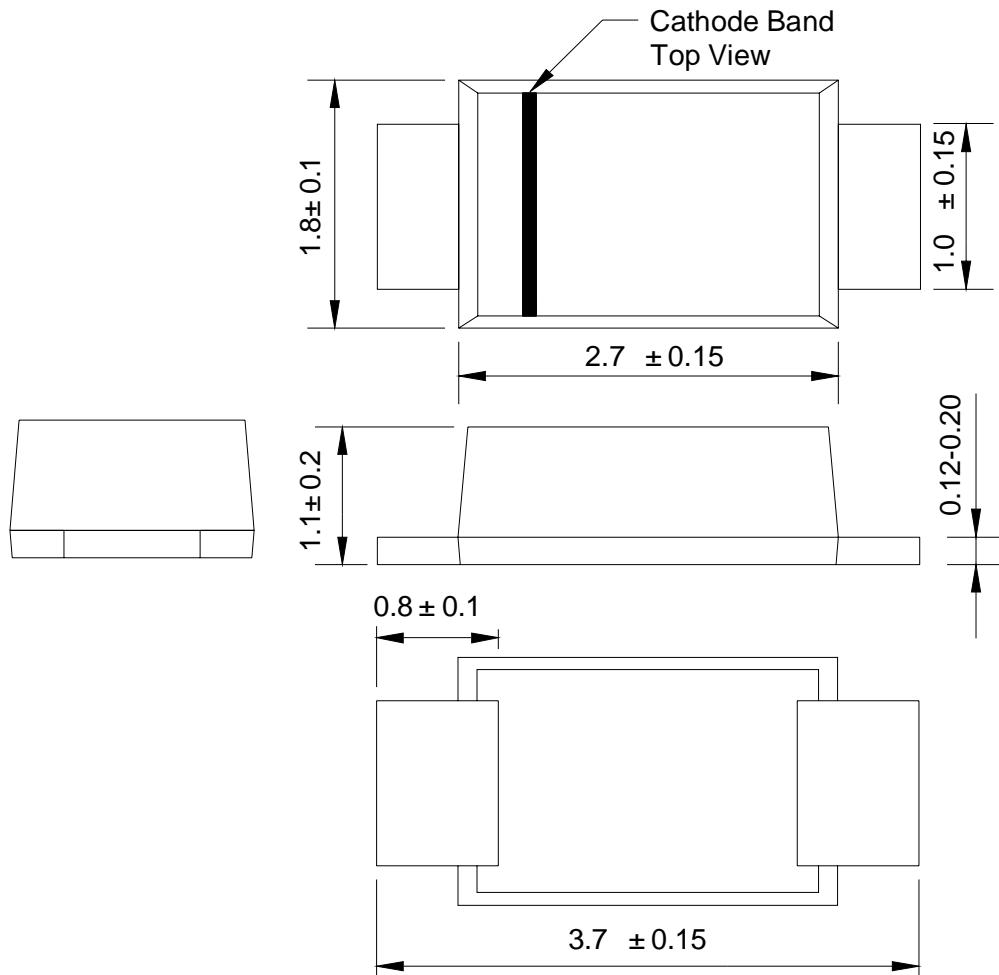


FIG.5 - TYPICAL REVERSE CHARACTERISTICS





Package Outline Dimensions
SOD-123FL





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