



## FEATURES

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



SOD-123FL



## Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
DSK22-DSK210	SOD-123F	K2★	3000

★:From 2-10

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

Rating 25°C ambient temperature unieess otherwies specified.  
Single phase half wave, 60Hz, resistive or inductive load.  
For capacitive load, derate current by 20%.

Type Number	DSK22	DSK23	DSK24	DSK25	DSK26	DSK28	DSK29	DSK210	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	0.1				0.02				mA
at Rated DC Blocking Voltage Ta=100°C	5				2				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:

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



## Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

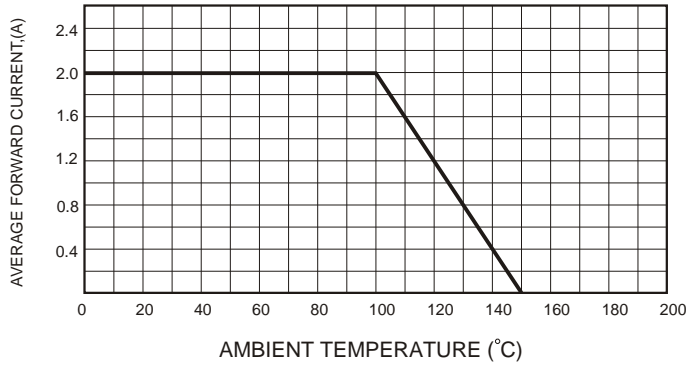


FIG.2-TYPICAL FORWARD CHARACTERISTICS

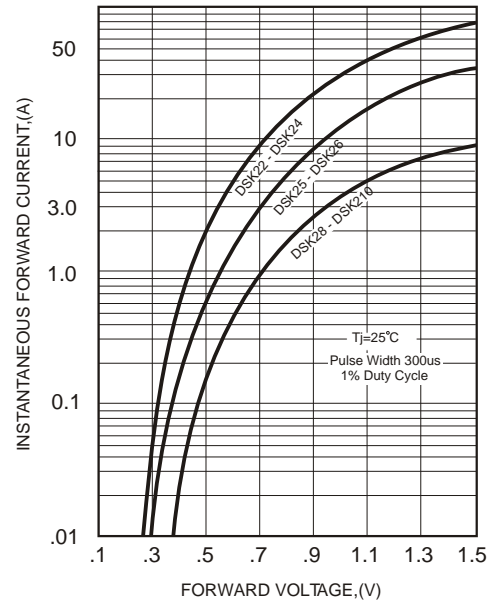


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

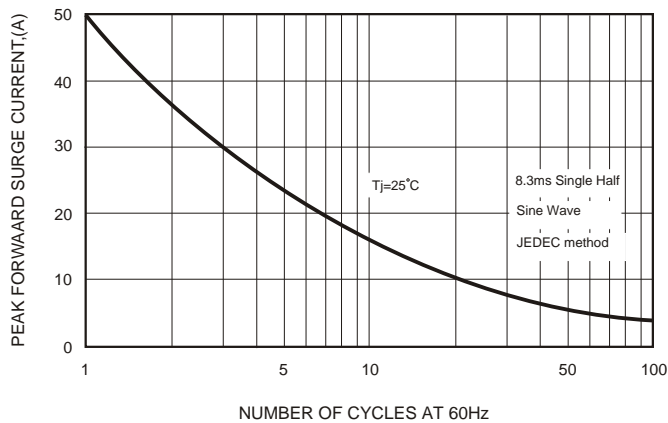


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

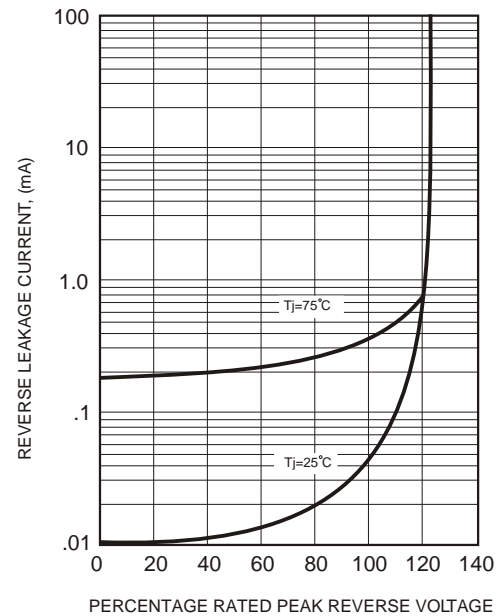
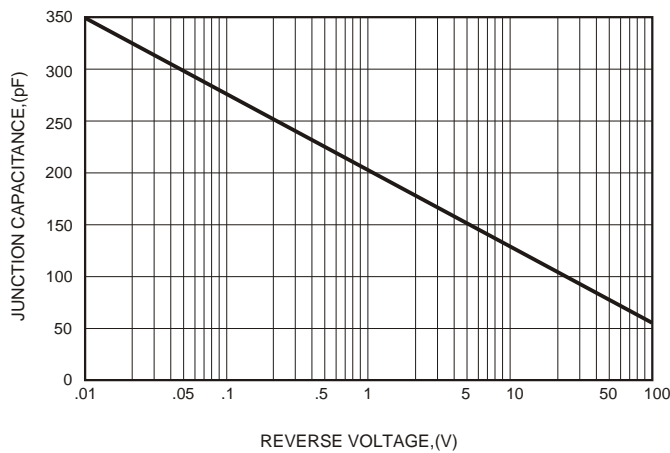
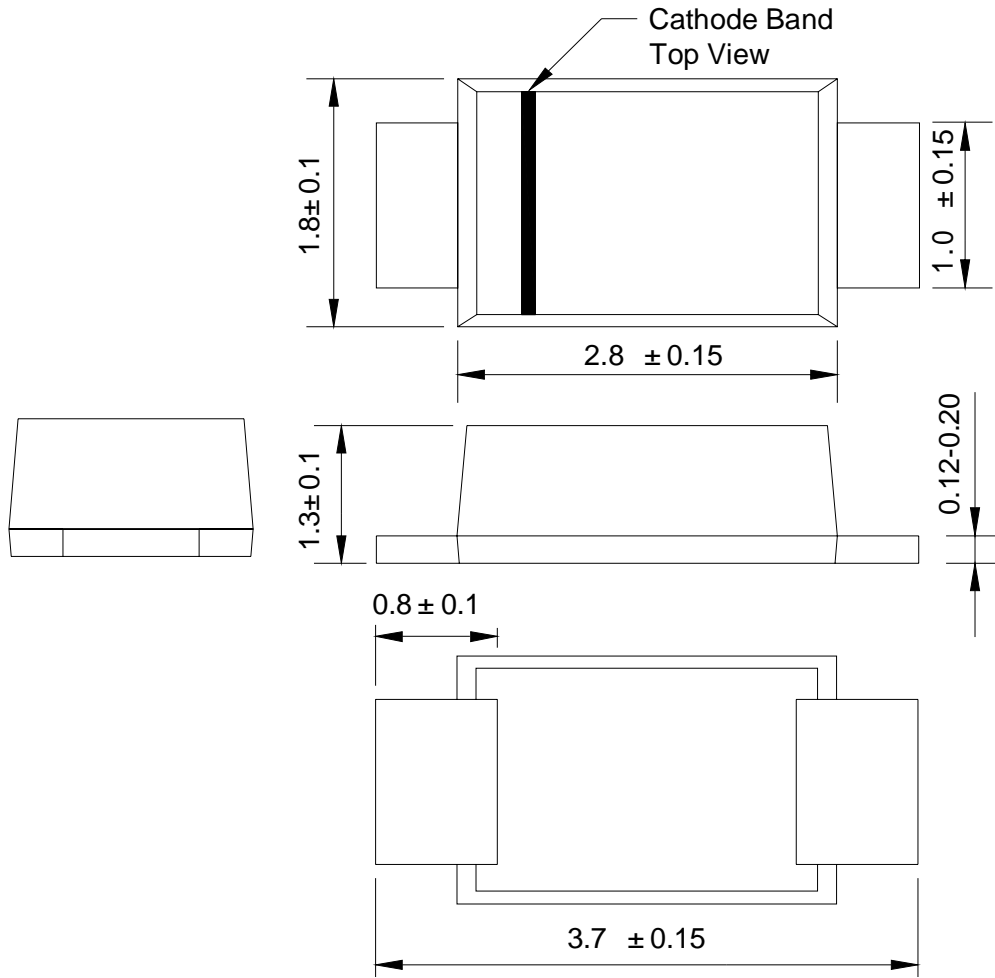


FIG.4-TYPICAL JUNCTION CAPACITANCE





### SOD-123FL Package Outline Dimensions





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