



## Features

- \* Ideal for surface mount applications
- \* Easy pick and place
- \* Built-in strain relief
- \* Low forward voltage drop



## Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
DSK32-DSK310	SOD-123FL	K3x	3000

x : From 2-10

SOD-123FL



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

60Hz resistive or inductive load, for capacitive load, derate by 20 %

Type Number	K32	K33	K34	K35	K36	K38	K39	K310	Unit
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 At T <sub>L</sub> =100°C	3.0								A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	80								A
Maximum Instantaneous Forward Voltage at 3.0A	0.55		0.70			0.85			V
Maximum DC Reverse Current at Rated DC Blocking Voltage	0.1			0.02			2		mA
Typical Junction Capacitance (Note1)	300								pF
Typical Thermal Resistance R <sub>JL</sub> (Note 2)	10								°C/W
Operating junction Temperature Range T <sub>J</sub>	-65 — +150								°C
Storage Temperature Range T <sub>STG</sub>	-65 — +150								°C

### NOTES:

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



### Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

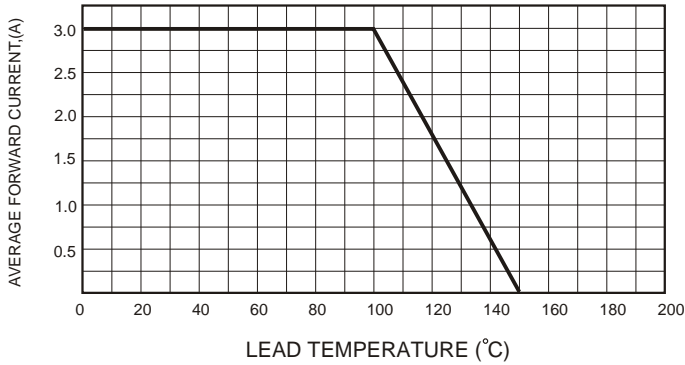


FIG.2-TYPICAL FORWARD CHARACTERISTICS

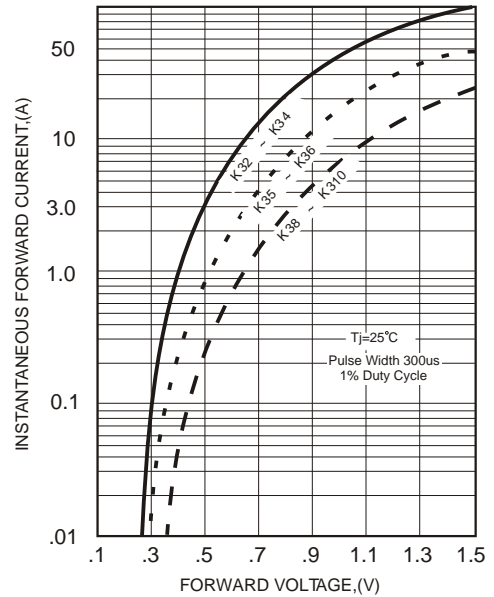


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

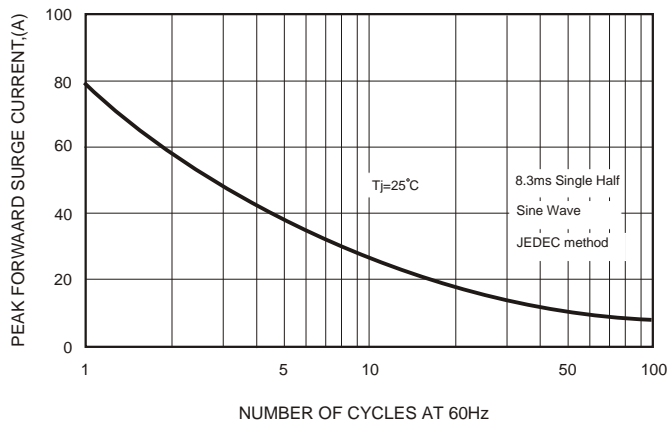


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

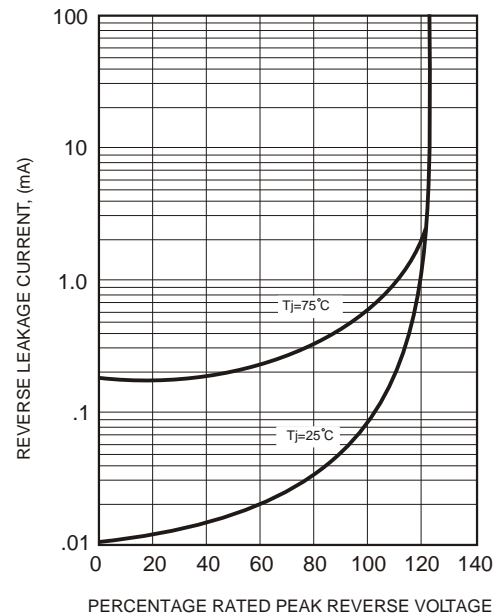
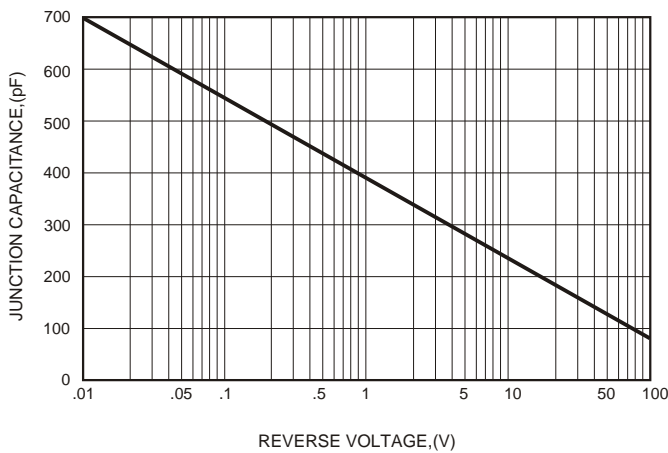
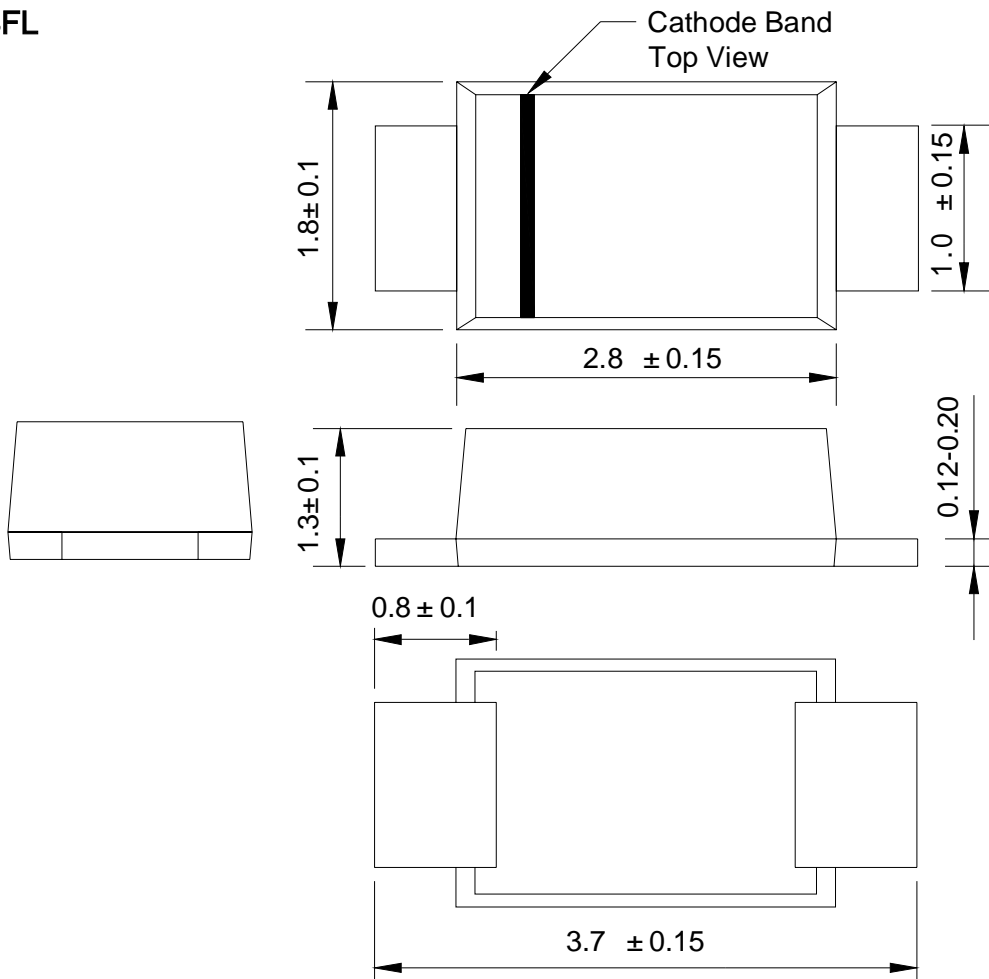


FIG.4-TYPICAL JUNCTION CAPACITANCE





**Package Outline Dimensions**  
**SOD-123FL**





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