

FEATURES

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



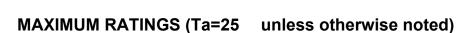
SOD-123FL



Product ID	Pack	Marking	Qty(PCS)
DSK12-DSK110	SOD-123FL	K1 *	3000

Package Marking and Ordering Information

★:From 2-10



Ratings at 25 $^{\circ}$ C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz resistive or inductive load, for capacitive load, derate by 20 $^{\circ}$ C

TYPE NUMBER		K12	K13	K14	K15	K16	K18	K19	K110	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		1.0							Α	
Peak Forward Surge Current, 8.3 ms single half sine-wave										
superimposed on rated load (JEDEC method)			30							
Maximum Instantaneous Forward Voltage at 1.0A			0.55		0.70		0.85		V	
Maximum DC Reverse Current	Ta=25°C	0.2						mA		
at Rated DC Blocking Voltage	Ta=100°C	10					mA			
Typical Junction Capacitance (Note1)		110								pF
Typical Thermal Resistance R JA (Note 2)			80							
Operating Temperature Range T _J			-65 —+125 -65 —+150						50	°C
Storage Temperature Range Tsrc		-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

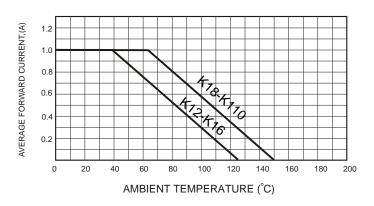
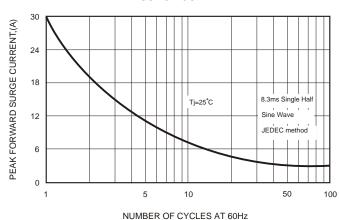


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT



350 (Ad) 300 300 250 250 150 100 50

REVERSE VOLTAGE,(V)

50

FIG.4-TYPICAL JUNCTION CAPACITANCE

FIG.2-TYPICAL FORWARD

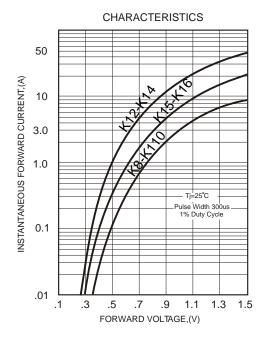
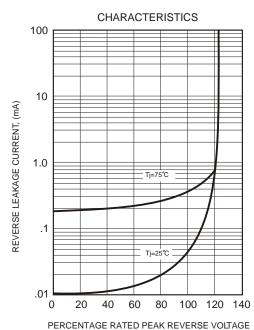


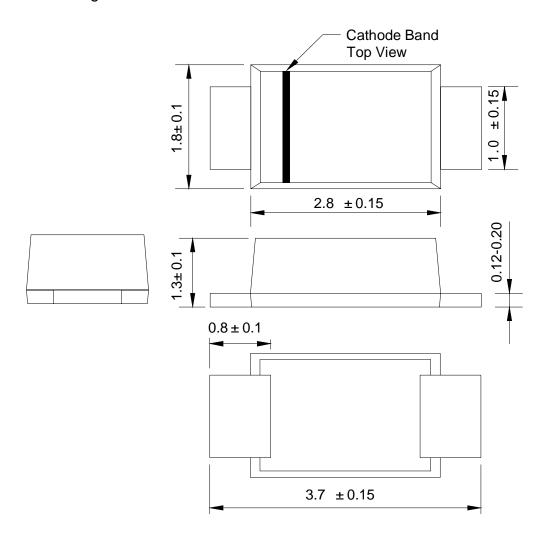
FIG.5 - TYPICAL REVERSE



0 **L** .01

.05

SOD-123FL Package Outline Dimensions





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