

Features

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



SOD-123FL

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)				
DSS12-DSS110	SOD-123FL	K1X	3000				

X:From 2-10



Maxmim Ratings (Ta=25°C unless otherwise noted) Single phase, half wave, 60Hz resistive or inductive load, for capacitive load, derate by 20 %

DSS12	DSS13	DSS14	DSS15	DSS16	DSS18	DSS19	DSS110	Units
20	30	40	50	60	80	90	100	V
14	21	28	35	42	56	63	70	V
20	30	40	50	60	80	90	100	V
	1.0							Α
)	30							
	30							Α
	0.55		0.70		0.85			V
	0.2					mA		
	10					mA		
	110							рF
	80							°C/W
	-65 —+125 -65 —+150					50	°C	
	-65—+150							°C
	20 14 20	20 30 14 21 20 30 0.55	20 30 40 14 21 28 20 30 40 0.55	20 30 40 50 14 21 28 35 20 30 40 50 13 30 40 50 14 30 40 50 50 50 50 50 50 50 50 50 50 50 50 50	20 30 40 50 60 14 21 28 35 42 20 30 40 50 60 1.0 30 0.55 0.70 0.2 10 110 80 -65 —+125	20 30 40 50 60 80 14 21 28 35 42 56 20 30 40 50 60 80 1.0 30 0.55 0.70 0.2 10 110 80 -65—+125 -68	20 30 40 50 60 80 90 14 21 28 35 42 56 63 20 30 40 50 60 80 90 1.0 30 0.55 0.70 0.85 0.2 10 110 80 -65—+125 -65—+15	20 30 40 50 60 80 90 100 14 21 28 35 42 56 63 70 20 30 40 50 60 80 90 100 1.0 30 0.55 0.70 0.85 0.2 10 110 110 80 -65 —+125 -65 —+150

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

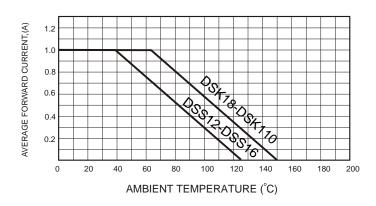


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

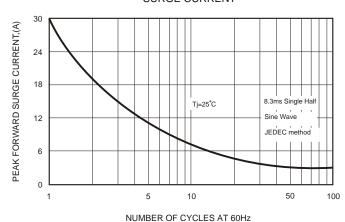


FIG.4-TYPICAL JUNCTION CAPACITANCE

350
250
250
200
150
0.01
0.05
.1
.5
1
5
10
50
100
REVERSE VOLTAGE,(V)

FIG.2-TYPICAL FORWARD

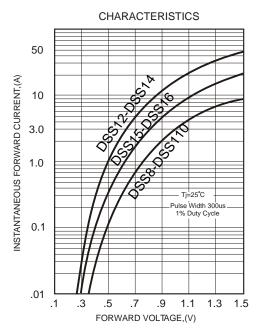
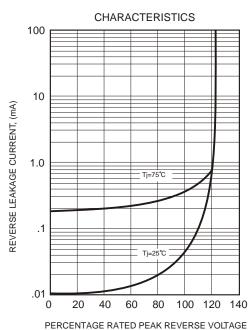
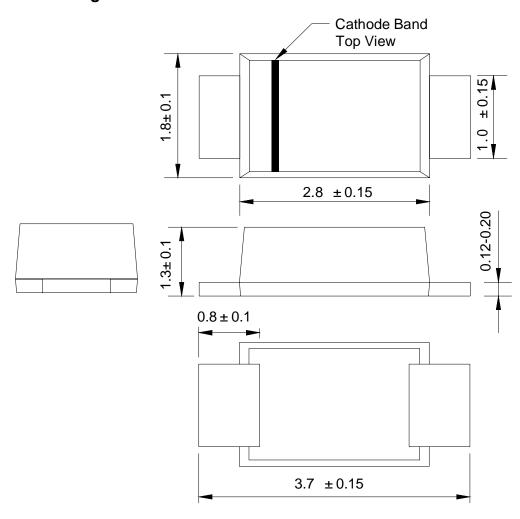


FIG.5 - TYPICAL REVERSE





SOD-123FL Package Outline Dimensions





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