

Features

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



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)			
DSS12U-DSS110U	SOD-123FL	K1x	3000			

X:From 2-10



SOD-123FL

Maximum 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							
	30							
	30							
	0.55		0.70		0.85			V
	0.2							mA
10						mA		
	110							
	80							
	-65 —+125 -65 —+150						50	°C
	-65 — +150							°C
	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 1 0.55 0. 0 1 1 1 8 -65—+125	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 10 110 110 110 80 -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 0.25 10 110 110 80 -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

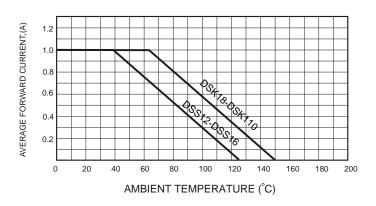
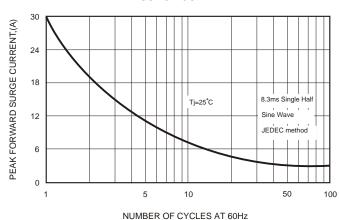


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT



350 300 250 200 150 100 50 0.01 .05 .1 .5 1 5 10 50 10

REVERSE VOLTAGE,(V)

FIG.4-TYPICAL JUNCTION CAPACITANCE

FIG.2-TYPICAL FORWARD

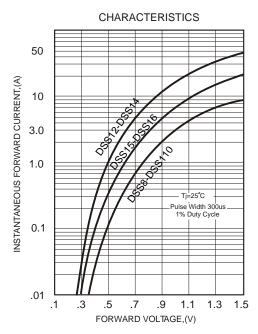
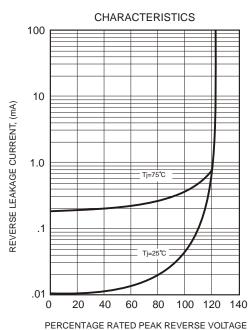
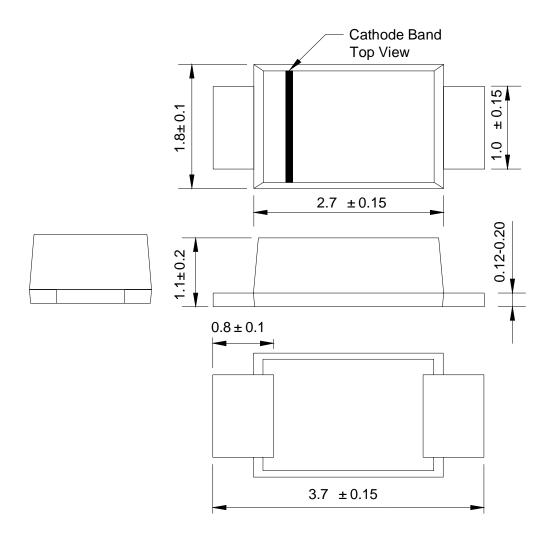


FIG.5 - TYPICAL REVERSE





SOD-123FL Package Outline Dimensions



DSS12U-DSS110U SCHOTTKY RECTIFIER DIODES

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