



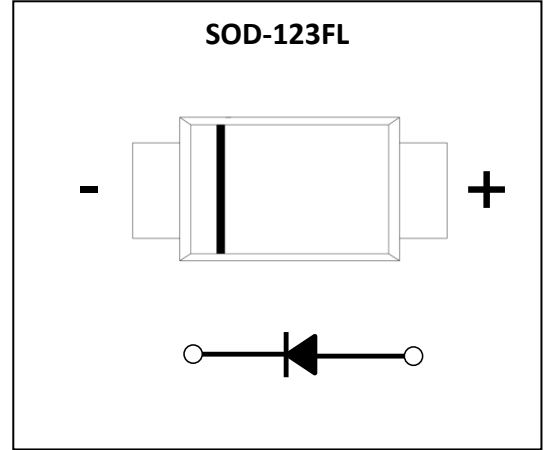
DSS22-DSS220 Schottky Rectifier

Feature

- For surface mounted application
- High current capability
- Low V_F
- High surge current capability

MARKING:

- S2X
X: From 2 To 20



ABSOLUTE MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Symbol	DSS									Unit
		22	23	24	25	26	28	210	215	220	
Repetitive Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	80	100	150	200	V
Maximum RMS Voltage	V_{RMS}	14	21	28	35	42	56	70	105	140	V
Maximum DC Blocking Voltage	V_{DC}	20	30	40	50	60	80	100	150	200	V
Average Forward Current (60Hz Half-sine wave, Resistance load, TL(Fig.1))	$I_{F(AV)}$	2									A
Non-repetitive Peak Forward Surge Current (60Hz Half-sine wave, 1 cycle, $T_a=25^{\circ}\text{C}$)	I_{FSM}	50									A
Junction Temperature	T_J	-55 ~ +125			-55 ~ +150						$^{\circ}\text{C}$
Storage Temperature	T_{STG}	-55 ~ +150									$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Symbol	Test Condition	DSS								Unit
			22	23	24	25	26	28	210	215	
Peak Forward Voltage	V_F	$I_F=2\text{A}$	0.55		0.70		0.85		0.95		V
Peak Reverse Current	I_{RRM1}	$V_{RM}=V_{RRM}$	$T_a=25^{\circ}\text{C}$		0.5		0.1				mA
	I_{RRM2}		$T_a=100^{\circ}\text{C}$		10		5				mA
Thermal Resistance (Typical)	$R_{\theta J-A}$	Between junction and ambient	85								$^{\circ}\text{C}/\text{W}$
	$R_{\theta J-L}$	Between junction and terminal	23								$^{\circ}\text{C}/\text{W}$
Junction Capacitance (Typical)	C_j	$F=1.0\text{MHz}, V_R=4.0\text{V}$	103		95		60		32		pF

Typical Characteristics

FIG.1: FORWARD CURRENT DERATING CURVE

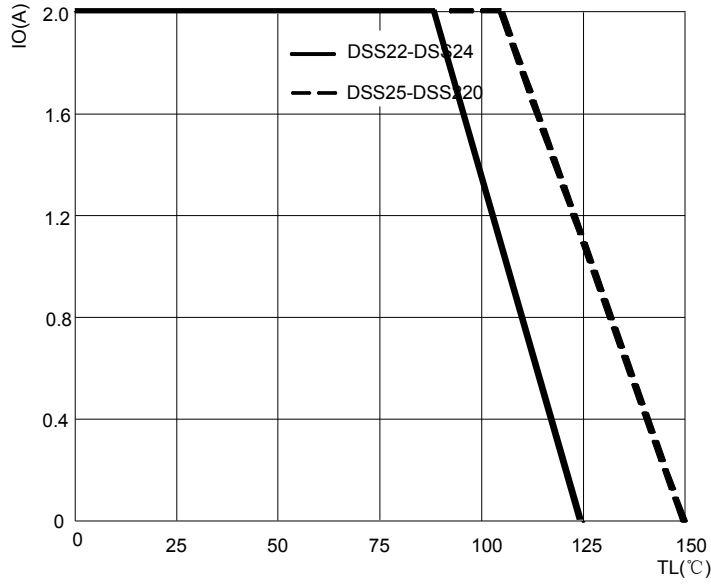


FIG2: Surge Forward Current Capacity

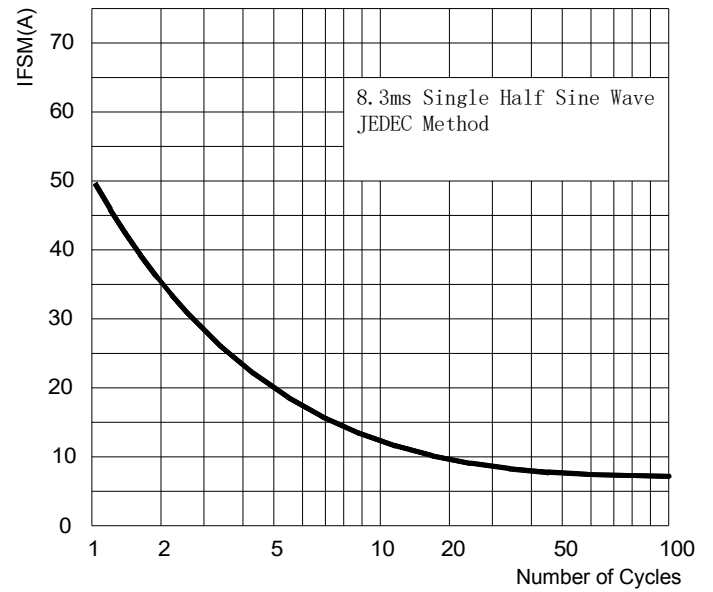


FIG.3: TYPICAL FORWARD CHARACTERISTICS

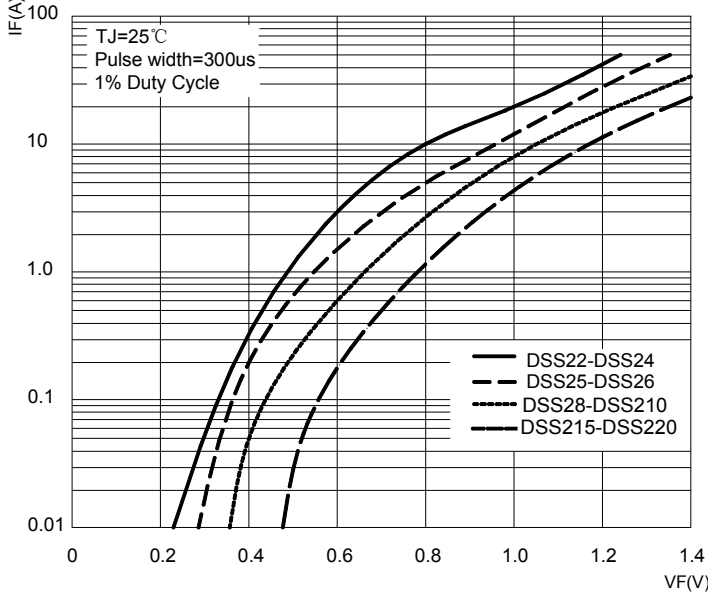
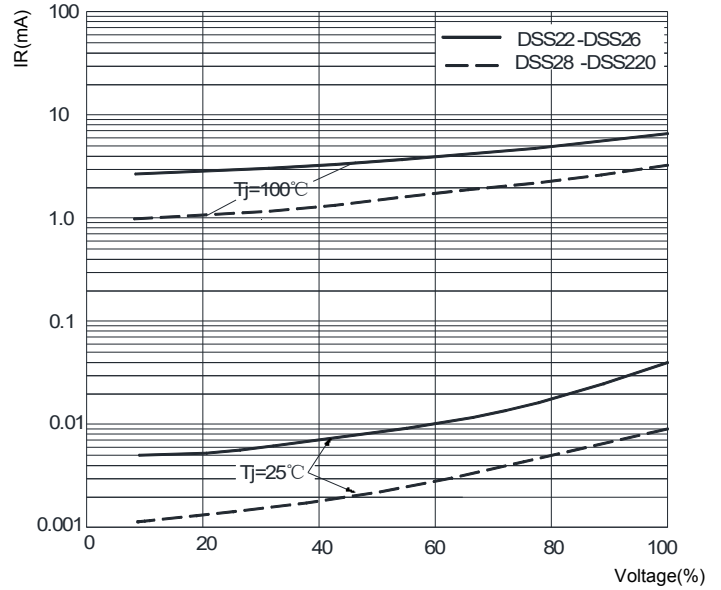
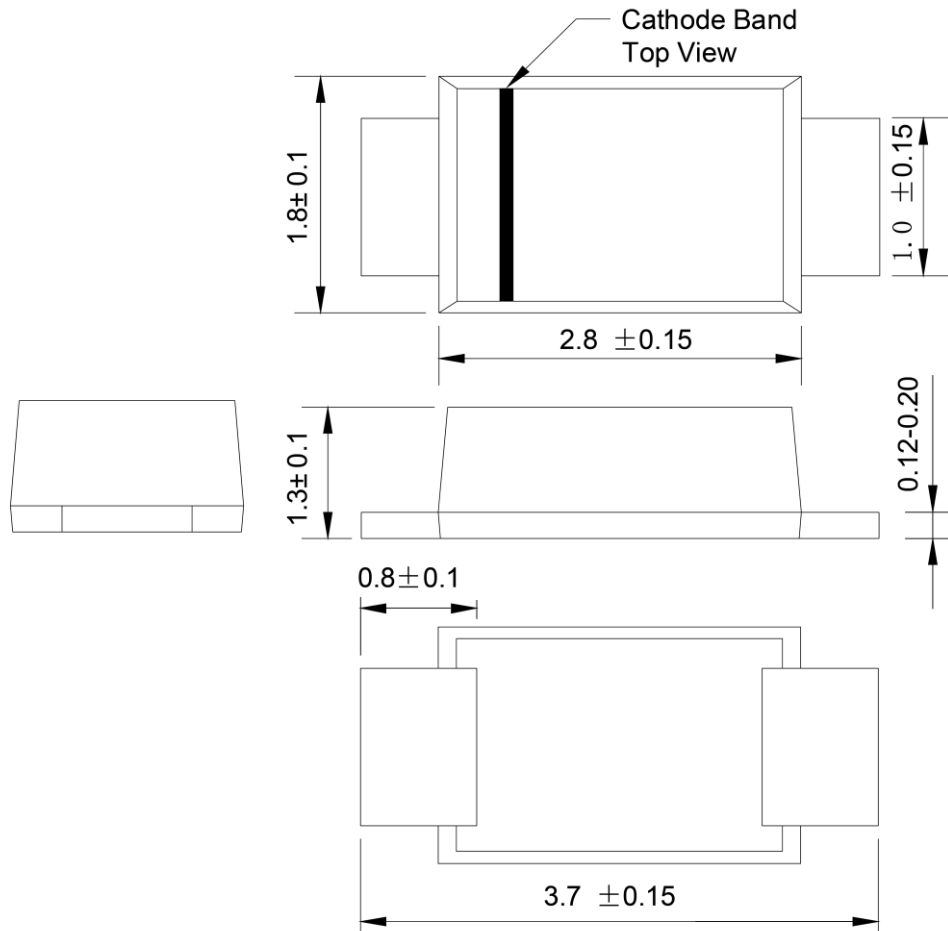


FIG 4: TYPICAL REVERSE CHARACTERISTICS

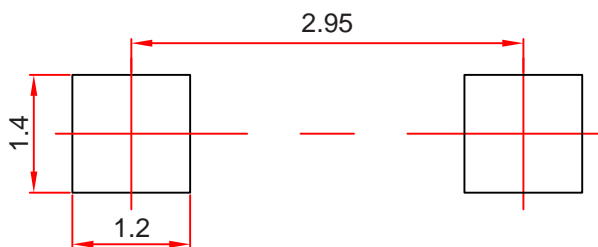


SOD-123FL Package Outline Dimensions



Dimensions in inches and (millimeters)

SOD-123FL Suggested Pad Layout



Note:

1. Controlling dimension: in millimeters.
2. General tolerance: ± 0.05 mm.
3. The pad layout is for reference purposes only.

单击下面可查看定价，库存，交付和生命周期等信息

[>>GP\(格瑞宝\)](#)