

**SSL310BF**  
Rev.A Aug.-2020



**DATA SHEET**





**/ Absolute Maximum Ratings(Ta=25 )**

Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	100	V
Maximum RMS voltage	$V_{RMS}$	70	V
Maximum DC Blocking Voltage	$V_{DC}$	100	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	3.0	A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	$I_{FSM}$	80	A
Typical Junction Capacitance <sup>1)</sup>	$C_j$	160	pF
Typical Thermal Resistance <sup>2)</sup>	$R_{JA}$	60	°C/W
Operating Junction Temperature Range	$T_j$	-55~+150	°C
Storage Temperature Range	$T_{stg}$	-55~+150	°C

Note:

- 1 ) Measured at 1MHz and applied reverse voltage of 4 V D.C.
- 2 ) P.C.B. mounted with 2.0 X2.0" (5 X 5 cm) copper pad areas.

**/ Electrical Characteristics(Ta=25 )**

Parameter	Symbol	Test condition	Rating	Unit
Max Instantaneous Forward Voltage	$V_F$	$I_F=3.0A$	0.6	V
Maximum DC Reverse Current at Rated DC Reverse Voltage	$I_R$	$T_a=25$ $T_a=100$	1.0 5	mA



**/ Electrical Characteristic Curve**

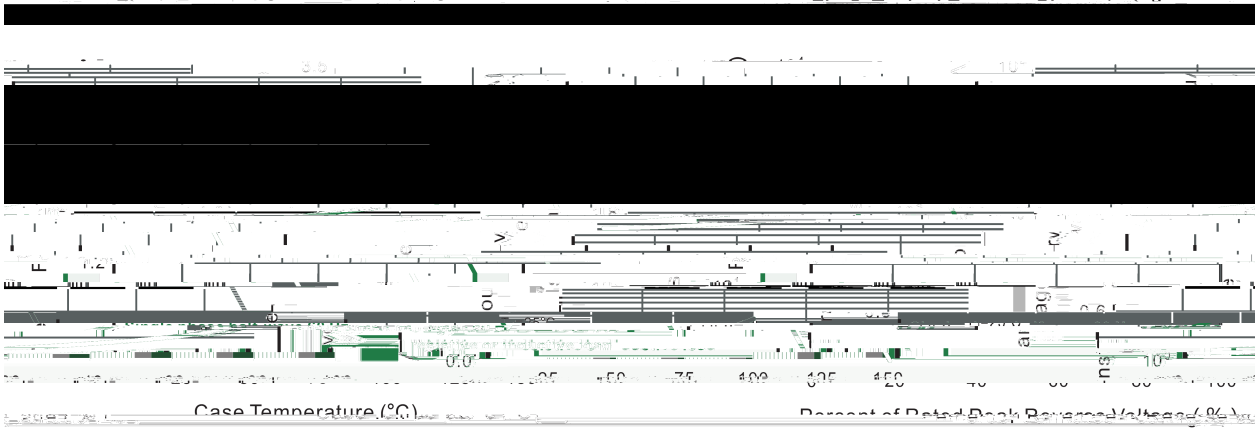


Fig. 3 Typical Forward Characteristics

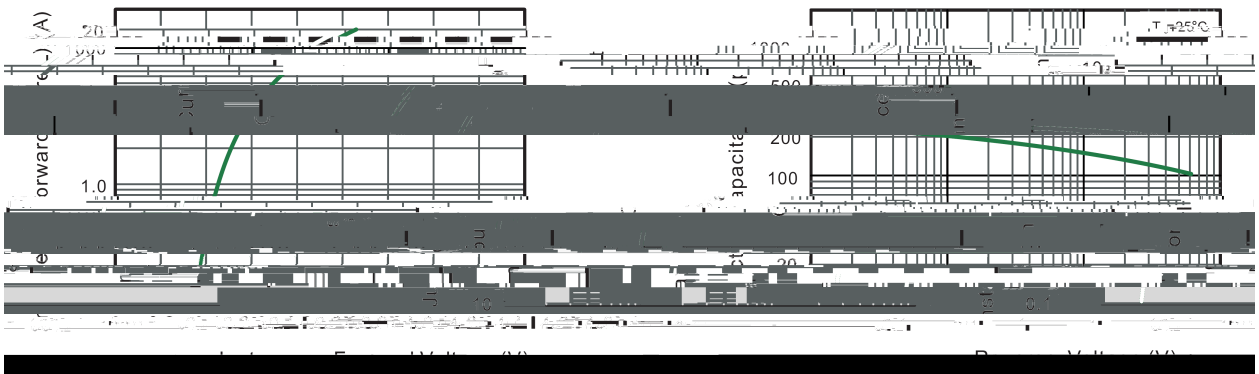
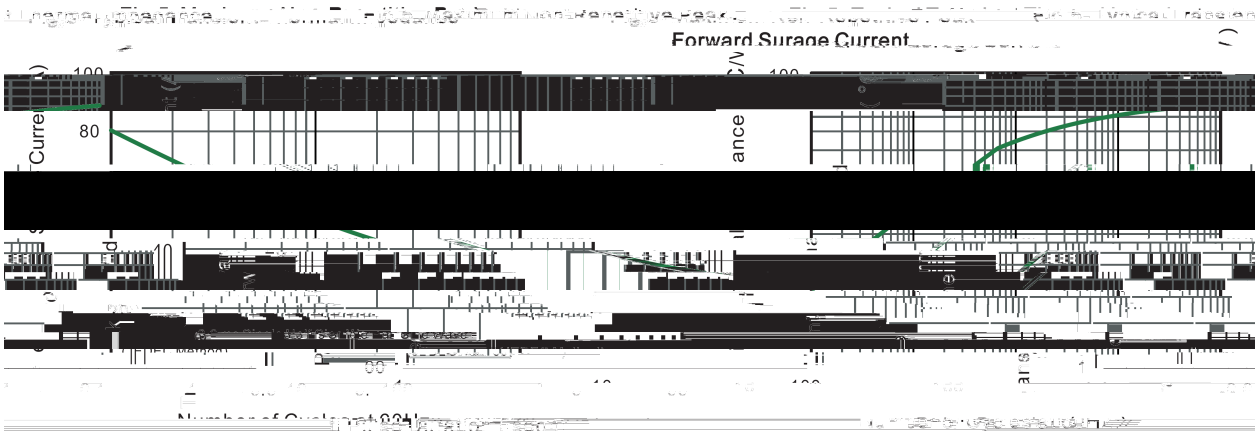
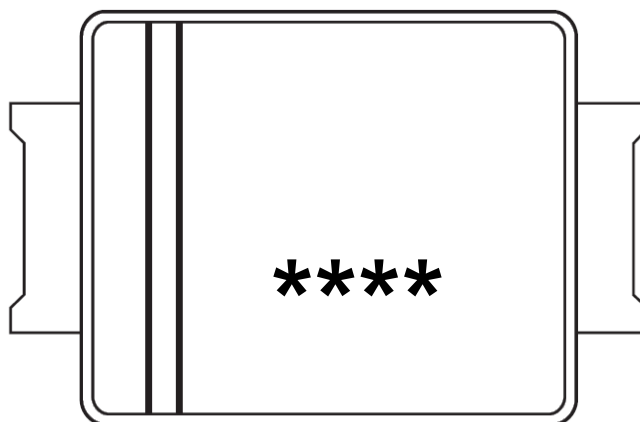


Fig. 4 Typical Junction Capacitance



**/ Package Dimensions**

**/ Marking Instructions**



SL310B

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1 \*

3 \*

Note:

SL310B      Product Type Code

\*\*\*\*      Lot No. Code    The 1st \* means:YM Code    The last 3 \* means:little Lot No Code

