

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 ¹⁾ | C_j | 160 | pF |
| Typical Thermal Resistance ²⁾ | R_{JA} | 60 | °C/W |
| Operating Junction Temperature Range | T_j | -55~+150 | °C |
| Storage Temperature Range | T_{stg} | -55~+150 | °C |

Note:

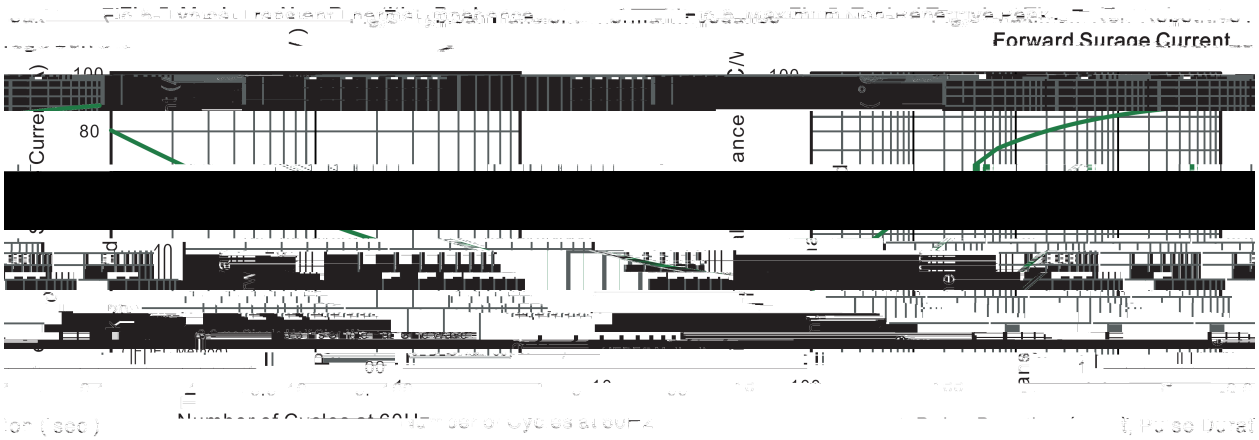
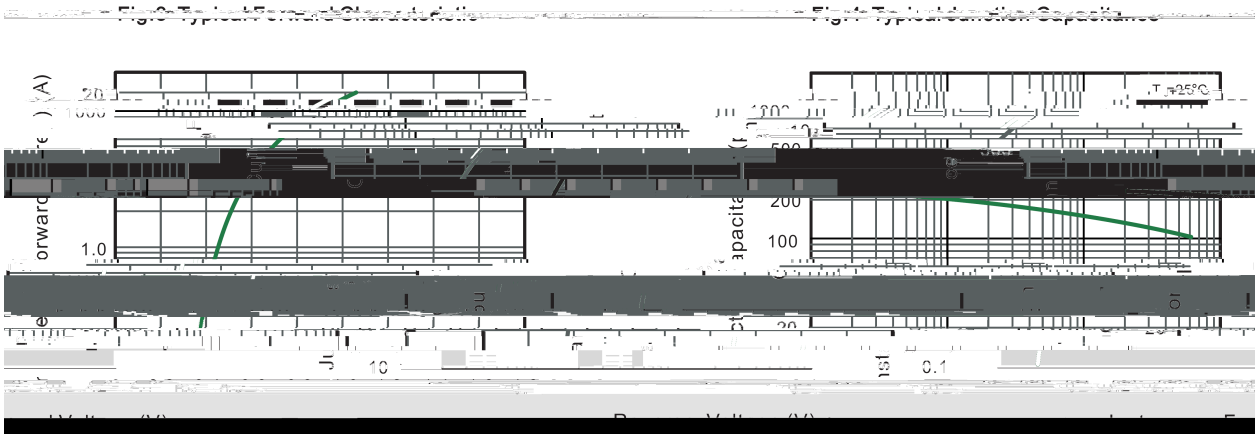
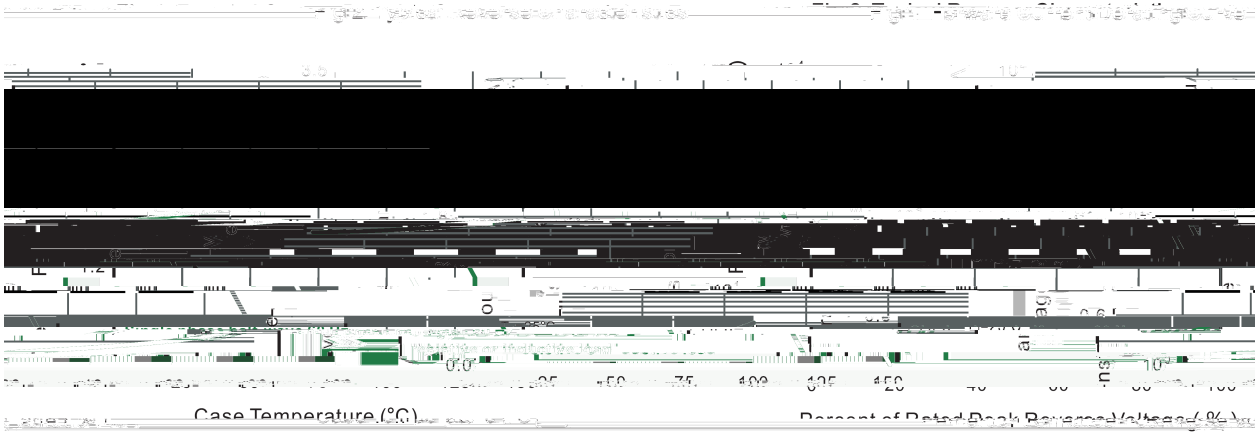
- 1) Measured at 1MHz and applied reverse voltage of 4 V D.C.
- 2) P.C.B. mounted with 2.0 X2.0" (5 X 5 cm) copper pad areas.

/ 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 |



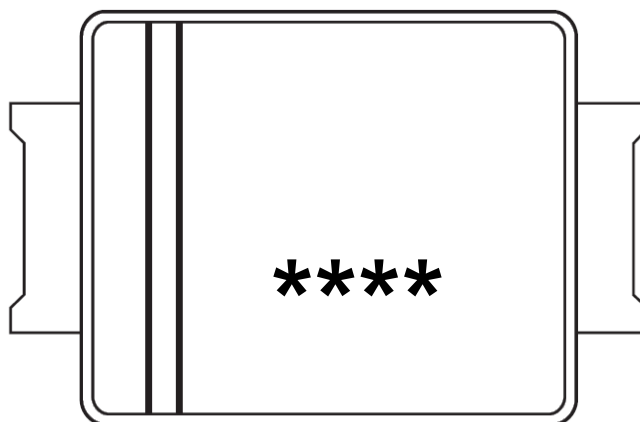
/ Electrical Characteristic Curve





/ Package Dimensions

/ Marking Instructions



SL310B

1 *

3 *

Note:

SL310B Product Type Code

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

