

Rev.A Aug.-2020



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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⁾	$R_{\theta JA}$	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 X 2.0" (5 X 5 cm) copper pad areas.

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

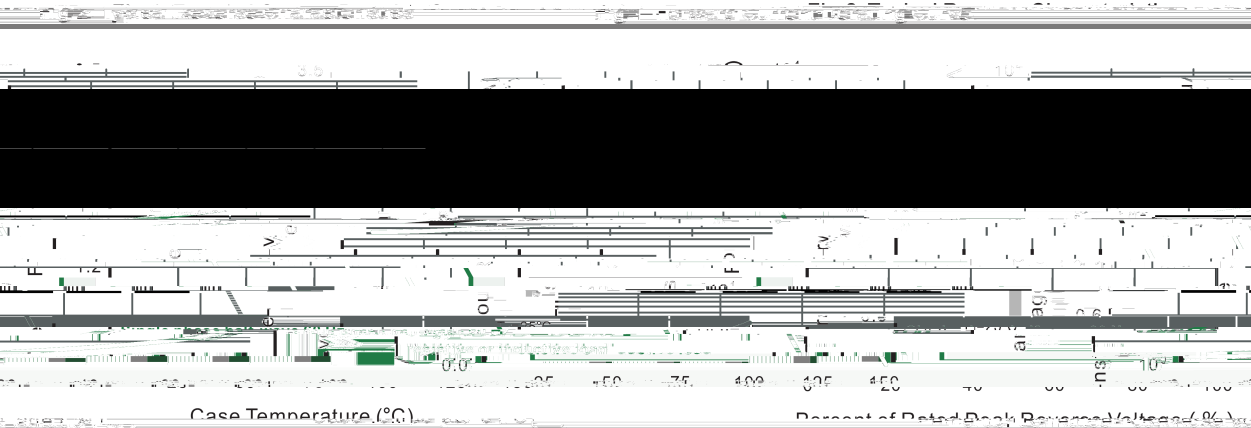


Fig. 3 Typical Forward Characteristics

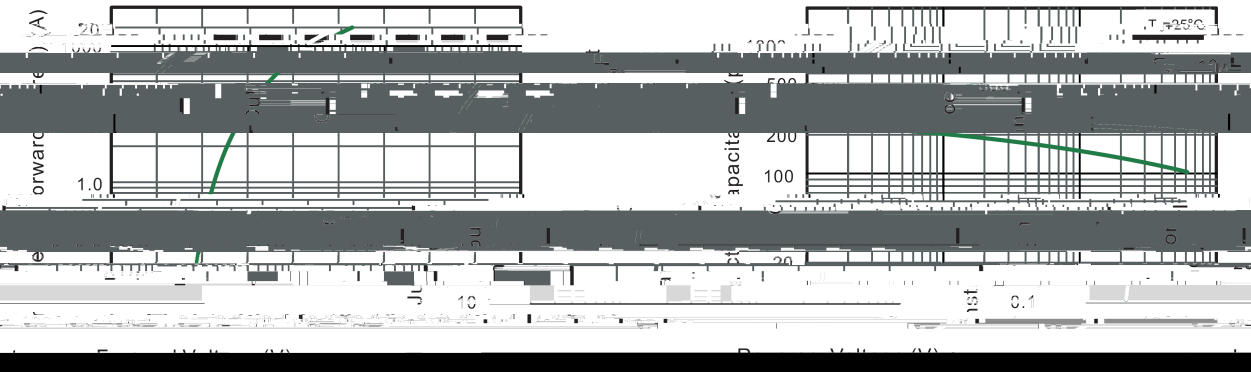
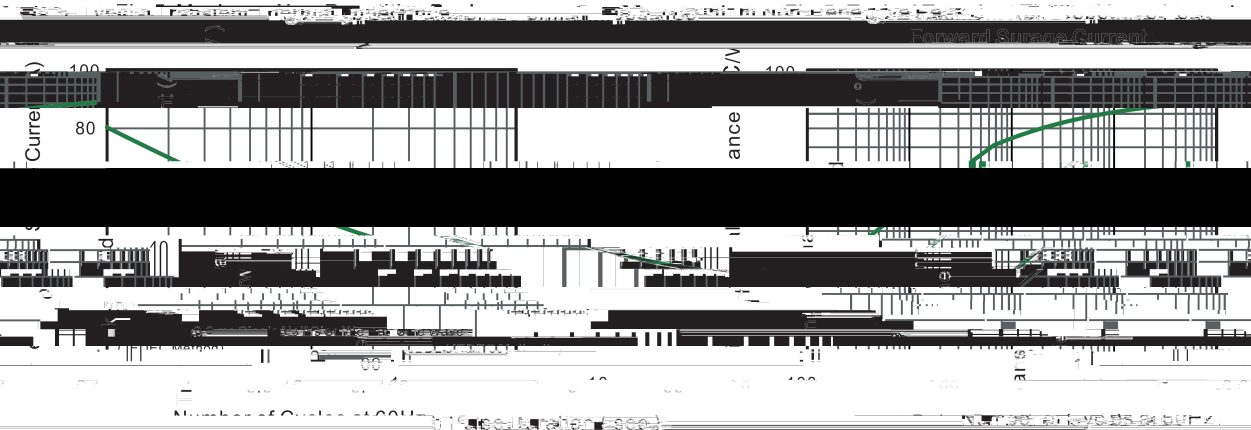
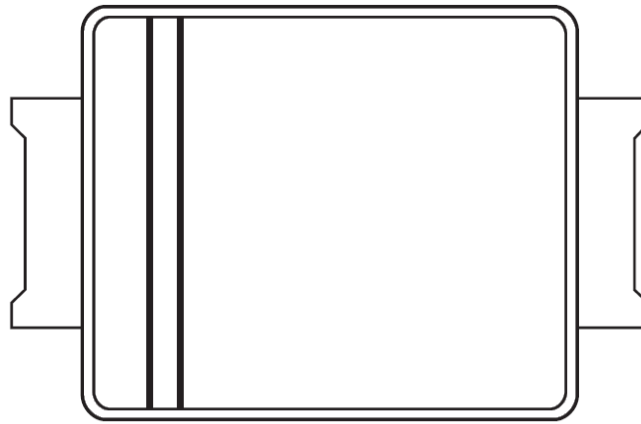


Fig. 4 Typical Junction Capacitance







SL310B

1 *

3 *

Note:

SL310B Product Type Code

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

