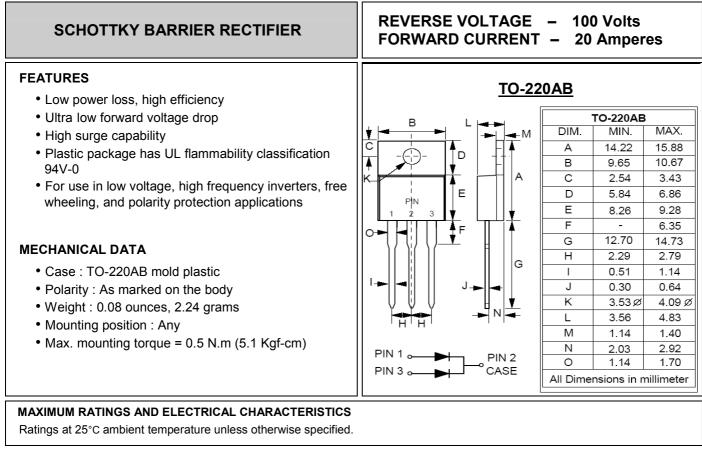
LITEON SEMICONDUCTORS

SBL20V100CT



PARAMETER	SYMBOL	SBL20V100CT	UNIT
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	100	V
Maximum RMS Voltage	V _{RMS}	70	V
Maximum DC Blocking Voltage	V _{DC}	100	
Average Rectified Output Current @TC=135°C	I _(AV)	20	А
Peak Forward Surge Current 8.3ms single @Tj=25°C half sine-wave	I _{FSM}	180	А
Maximum Forward Voltage (Note 1) IF=10A@Tj=25°C IF=10A@Tj=125°C	V _F	0.78 0.67	V
Maximum DC Reverse Current atTj=25°CRated DC Blocking VoltageTj=125°C	I _R	0.1 10	mA
Typical Junction Capacitance per element (Note 2)	CJ	280	РF
Typical Thermal Resistance (Note 3)	R⊖ _{JC}	2.8	°C/W
Typical Thermal Resistance (Note 3)	R⊖ _{JL}	3.0	°C/W
Operating junction temperature range	TJ	-55 to +175	°C
Storage temperature range	T _{STG}	-55 to +175	°C
Notes :	•	REV. 1, Mar-2011, K	THC97

Notes :

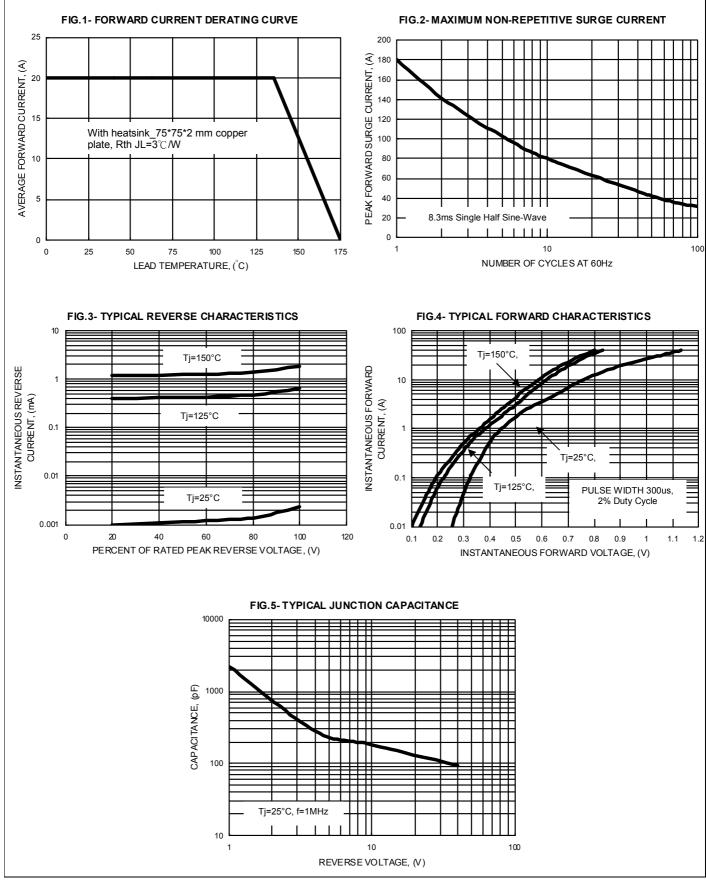
(1) 300us Pulse Width, 2% Duty Cycle.

(2) Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

(3) Thermal Resistance Junction to Case. Device mounted on 75 x 75 x 2 mm copper plate.

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RATING AND CHARACTERISTIC CURVES SBL20V100CT



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