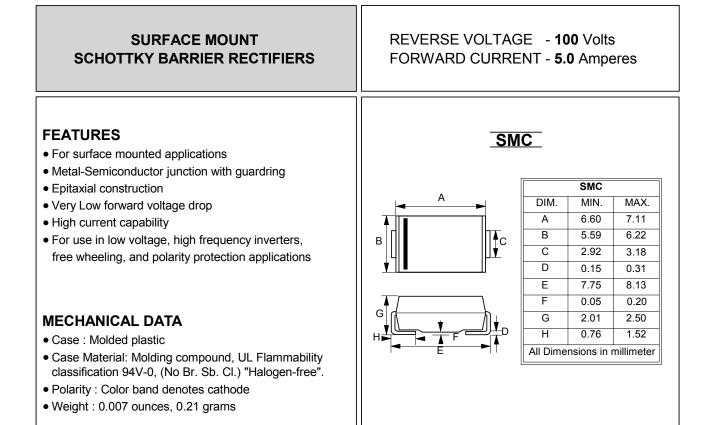
LITE ON SEMICONDUCTOR

B5100C



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 $^\circ\!\mathrm{C}$ ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	B5100C		UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	100		V
Maximum DC Blocking Voltage	VDC	100		V
Maximum Average ForwardRectified Current@TL =75 °C	l(AV)	5.0	5.0	
Peak Forward Surge Current 8.3ms single half sine-wave@TA =25 $^{\circ}$ C	IFSM	100	100	
Maximum forward Voltage at 5.0A DC	VF	0.85		V
Maximum DC Reverse Current at Rated DC Blocking Voltage $@TJ = 25 \degree C$ $@TJ = 100 \degree C$	IR	0.02 20		
Typical Junction Capacitance (Note 1)	Сл	300		pF
Typical Thermal Resistance (Note 2, 3)	Rejl Reja	17 55		
Operating Temperature Range	TJ	-55 to +150	-55 to +150	
Storage Temperature Range	Tstg	-55 to +150		°C

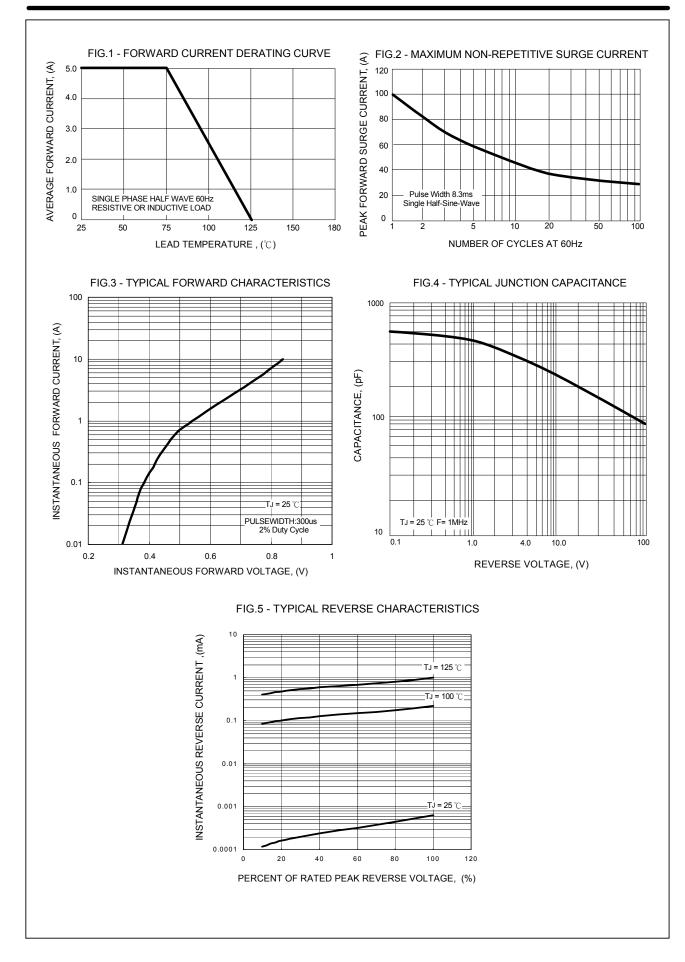
NOTES : 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

REV. 5, Aug-2014, KSHC05

2. Thermal Resistance Junction to Lead

3. Thermal Resistance Junction to ambient

RATING AND CHARACTERISTIC CURVES B5100C



LITE ON



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