

Ratings at 25°C ambient temperature unless otherwis e specified.

ABSOLUTE RATINGS

PARAMETER			SYMBOL	VALUE		UNIT
Maximum repetitive peak reverse voltage			V _{RRM}	150		V
Maximum RMS Voltage			V _{RMS}	105		V
Maximum DC blocking voltage			V _{DC}	150		V
Average rectified forward current @TL=120°C			I _(AV)	3	3.0	
Peak forward surge 8.3ms single half sine-wave superimposed on rated load			I _{FSM}	8	80	
Operating and Storage temperature range			T _{J,} T _{STG}	-55 ~	-55 ~ +175	
STATIC ELECTRICAL CHARACTERISTICS						
PARAMETER	TEST CONDITION		SYMBOL	ТҮР	MAX	UNIT
Forward voltage	$I_F = 3A$	T _J = 25℃	V _F		0.95	V
Reverse leakage current	V _R = 150V	T _J = 25℃ T _J = 150℃	I _R		0.01 20	mA
Typical junction capacitance (Note 1)			CJ	1	105	
THERMAL PERFORMA	NCE					
PARAMETER			SYMBOL	ТҮР		UNIT
Typical thermal resistance (Note 2,3)			RthJ _c	12		°C/W
Note :			RtnJ _A	REV. 4, Nov2016, KDHF16		

(1) Measured at 1.0MHz and applied reverse voltage of 4.0 VDC (2) Thermal Resistance Junction to Lead

(3) Thermal Resistance Junction to Case

RATING AND CHARACTERISTIC CURVES SB3150

LITEON



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