


The specifications for the LT<sup>®</sup>1308 have been revised as shown in **bold** type below. For complete specifications, typical performance characteristics and applications information, please see the LT1308 data sheet.

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## ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range

Commercial ..... -20°C to 70°C

**Extended Commercial (Note 1) ..... -40°C to 85°C**

Industrial (Note 2) ..... -40°C to 85°C

## ELECTRICAL CHARACTERISTICS

Commercial Grade 0°C to 70°C.  $V_{IN} = 1.1V$ ,  $V_{SHDN} = V_{IN}$ ,  $T_A = 25^\circ C$  unless otherwise noted.

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS	
$I_B$	FB Pin Bias Current (Note 3)	$V_{FB} = V_{REF}$	●	27	80	nA	
	Switch Current Limit (Note 4)	DC = 40% DC = 80%	●	2.0 1.6	2.5 2	A A	
	LBI Input Bias Current (Note 5)	$V_{LBI} = 150mV$	●	5	30	nA	
	Reverse Battery Current	(Note 6)		750		mA	
	Maximum Duty Cycle		●	80	88	<b>98</b>	%

Industrial Grade -40°C to 85°C.  $V_{IN} = 1.2V$ ,  $V_{SHDN} = V_{IN}$ ,  $T_A = 25^\circ C$  unless otherwise noted.

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS	
$I_B$	FB Pin Bias Current (Note 3)	$V_{FB} = V_{REF}$	●	27	80	nA	
	Switch Current Limit (Note 4)	DC = 40% DC = 80%	●	2.0 1.6	2.5 2	A A	
	LBI Input Bias Current (Note 5)	$V_{LBI} = 150mV$	●	5	30	nA	
	Maximum Duty Cycle		●	80	88	<b>98</b>	%

The ● denotes specifications which apply over the full operating temperature range.

**Note 1:** C grade device specifications are guaranteed over the 0°C to 70°C temperature range (**some parameters are also guaranteed to -20°C as denoted on the data sheet**). In addition, C grade device specifications are assured over the -40°C to 85°C temperature range by design or correlation, but are not production tested.

**Note 2:** I grade specifications are guaranteed over the -40°C to 85°C temperature range.

**Note 3:** Bias current flows in to FB pin.

**Note 4:** Switch current limit guaranteed by design and/or correlation to static test. Duty cycle affects current limit due to ramp generator (see Block Diagram).

**Note 5:** Bias current flows out of LBI pin.

**Note 6:** The LT1308 will withstand continuous application of 1.6V applied to GND pin while  $V_{IN}$  and SW are grounded.

For further information regarding this specification notice contact:

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