

The specifications for the **LT[®]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.

 LTC and LT are registered trademarks of Linear Technology Corporation.

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%	2.0	2.5		A
		DC = 80%	1.6	2		A
	LBI Input Bias Current (Note 5)	$V_{LBI} = 150mV$		5	30	nA
	Reverse Battery Current	(Note 6)		750		mA

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%	2.0	2.5		A
		DC = 80%	1.6	2		A
	LBI Input Bias Current (Note 5)	$V_{LBI} = 150mV$		5	30	nA
	Reverse Battery Current	(Note 6)				

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:

Linear Technology Corporation
1630 McCarthy Blvd.
Milpitas, California 95035-7417
Attn: Product Marketing Manager
Phone: (408) 432-1900