LINEAR TECHNOLOGY

SPECIFICATION NOTICE

LTC1147LIS8

April 1998

The specifications for the **LTC®1147LIS8,** which are different from the LTC1147LCS8, are indicated in **bold** in the following table. For complete specifications, typical performance characteristics and applications information, please see the **LTC1147** data sheet.

ELECTRICAL CHARACTERISTICS

–40°C ≤ T_A ≤ 85°C, V_{IN} = 10V, unless otherwise noted.

SYMBOL	PARAMETER	CONDITIONS		MIN	TYP	MAX	UNITS
V_6	Feedback Voltage	V_{IN} = 9V	●	**1.20**	1.25	**1.30**	V
I_Q	Input DC Supply Current (Note 1)						
	Normal Mode	3.5V < V_{IN} < 12V			1.6	**2.4**	mA
	Sleep Mode	3.5V < V_{IN} < 12V			160	**260**	µA
$V_5 – V_4$	Current Sense Threshold Voltage	(Note 2)					
		V_{SENSE}^- = 5V, 6V = V_{OUT}/4 + 25mV (Forced)			25	**185**	mV
		V_{SENSE}^- = 5V, 6V = V_{OUT}/4 – 25mV (Forced)		**125**	150		mV

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

Note 1: Dynamic supply current is higher due to the gate charge being delivered at the switching frequency. See Applications Information section in the LTC1147 data sheet.

Note 2: The LTC1147L is tested with external feedback resistors resulting in a nominal output voltage of 2.5V.

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