LINEAR TECHNOLOGY

SPECIFICATION NOTICE

LT1077IS8

May 1997

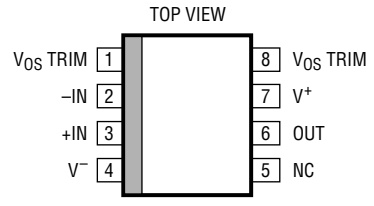
The **LT1077** data sheet has been updated to include an I-grade surface mount version. Changes/additions in Absolute Maximum Ratings, Package/Order Information and Electrical Characteristics are shown below in bold type. For complete specifications, typical performance curves and applications information, please see the **LT1077** data sheet.

ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range

LT1077AM/LT1077M ..... –55°C to 125°C
LT1077AI/LT1077I/**LT1077IS8 .....** –40°C to 85°C
LT1077AC/LT1077C/LT1077S8 ..... 0°C to 70°C

PACKAGE/ORDER INFORMATION



S8 PACKAGE
8-LEAD PLASTIC SO

ORDER PART NUMBER
LT1077S8 **LT1077IS8**
S8 PART MARKING
1077 **1077I**

ELECTRICAL CHARACTERISTICS

V_S = 5V, 0V, V_{CM} = 0.1V, V_O = 1.4V, –55°C ≤ T_A ≤ 125°C for AM/M grades, –40°C ≤ T_A ≤ 85°C for AI/I grades.

SYMBOL	PARAMETER	CONDITIONS		LT1077AM/LT1077AI MIN	TYP	MAX	LT1077M/LT1077I MIN	TYP	MAX	UNITS
$\Delta V_{OS}/\Delta T$	Input Offset Voltage Drift	LT1077IS8 (Note 5)	●					1.0	2.5	µV/°C

V_S = ±15V, –55°C ≤ T_A ≤ 125°C for AM/M grades, –40°C ≤ T_A ≤ 85°C for AI/I grades.

SYMBOL	PARAMETER	CONDITIONS		LT1077AM/LT1077AI MIN	TYP	MAX	LT1077M/LT1077I MIN	TYP	MAX	UNITS
$\Delta V_{OS}/\Delta T$	Input Offset Voltage Drift	LT1077IS8 (Note 5)	●					1.1	3.0	µV/°C

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

Note 1: Slew rate 5V, 0V is guaranteed by inference from the slew rate measurement at ±15V.

Note 2: This parameter is tested on a sample basis only. All noise parameters are tested with V_S = ±2.5V, V_O = 0V.

Note 3: This parameter is guaranteed by design and is not tested.

Note 4: Power supply rejection ratio is measured at the minimum supply voltage. The op amps actually work at 1.8V supply but with a typical offset skew –300µV.

Note 5: This parameter is not 100% tested.

For further information regarding this specification notice contact:

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