

March 1998

The specifications for the **LT[®]1070** and **LT1071** have been revised as shown in **bold** in the following table. For complete specifications, typical performance characteristics and applications information, please see the **LT1070/LT1071** data sheet.

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ELECTRICAL CHARACTERISTICS

$V_{IN} = 15V$, $V_C = 0.5V$, $V_{FB} = V_{REF}$, output pin open unless otherwise noted.

SYMBOL	PARAMETER	CONDITIONS		MIN	TYP	MAX	UNITS
V_{REF}	Reference Voltage	Measured at Feedback Pin, $V_C = 0.8V$	●	1.224 1.214	1.244 1.244	1.264 1.274	V V
	Reference Voltage Line Regulation	$3V \leq V_{IN} \leq V_{MAX}$, $V_C = 0.8V$	●			0.03	%/V
A_V	Error Amplifier Voltage Gain	$0.9V \leq V_C \leq 1.4V$		500	800		V/V
	Flyback Reference Voltage Line Regulation	$I_{FB} = 50\mu A$ $3V \leq V_{IN} \leq V_{MAX}$ (Note 3)			0.01	0.03	%/V
	Flyback Amplifier Transconductance (g_m)	$\Delta I_C = \pm 10\mu A$		150	300	650	μmho
	Flyback Amplifier Source and Sink Current	$V_C = 0.6V$ Source $I_{FB} = 50\mu A$ Sink	● ●	15 25	32 40	70 70	μA μA
BV	Output Switch Breakdown Voltage	$3V \leq V_{IN} \leq V_{MAX}$ LT1070/LT1071 $I_{SW} = 1.5mA$ LT1070HV/LT1071HV	● ●	65 75	90 90		V V
I_{LIM}	Switch Current Limit (LT1070)	Duty Cycle = 50% $T_J \geq 25^\circ C$	●	5		10	A
		Duty Cycle = 50% $T_J < 25^\circ C$	●	5		11	A
		Duty Cycle = 80% (Note 2)	●	4		10	A
	Switch Current Limit LT1071	Duty Cycle = 50% $T_J \geq 25^\circ C$	●	2.5		5	A
		Duty Cycle = 50% $T_J < 25^\circ C$	●	2.5		5.5	A
		Duty Cycle = 80% (Note 2)	●	2		5	A

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

Note 2: For duty cycles between 50% and 80%, minimum guaranteed switch current is given by $I_{LIM} = 3.33 (2 - DC)$ for the LT1070 and $I_{LIM} = 1.67 (2 - DC)$ for the LT1071.

Note 3: $V_{MAX} = 55V$ for LT1070HV and LT1071HV to avoid switch breakdown.

For further information regarding this specification notice contact:

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