


December 1996

The specifications for the **LTC<sup>®</sup>1065** have been revised and shown in **bold type** as follows. For complete specifications, typical performance curves and applications information, please see the **LTC1065** data sheet.

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## ELECTRICAL CHARACTERISTICS

$V_S = \pm 5V$ ,  $f_{CLK} = 500kHz$ ,  $f_C = 5kHz$ ,  $R_L = 10k$ ,  $T_A = 25^\circ C$ , unless otherwise specified.

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS	
Filter Gain	$V_S = \pm 5V$ , $f_{CLK} = 25kHz$ , $f_C = 250Hz$	$f_{IN} = 250Hz$	● -3.5	-3.1	-2.7	dB
		$f_{IN} = 1kHz$	● -43.0	-41.0	-39.0	dB
	$V_S = \pm 15V$ , $f_{CLK} = 500kHz$ , $f_C = 5kHz$	$f_{IN} = 100Hz$		0		dB
		$f_{IN} = 1kHz = 0.2f_C$	● -0.215	-0.175	-0.135	dB
		$f_{IN} = 2.5kHz = 0.5f_C$	● -1.1	-0.972	-0.84	dB
		$f_{IN} = 4kHz = 0.8f_C$	● -2.35	-2.13	-1.9	dB
		$f_{IN} = 5kHz = f_C$	● -3.35	-3.1	<b>-2.7</b>	dB
		$f_{IN} = 10kHz = 2f_C$	● <b>-14.5</b>	-14.15	<b>-13.0</b>	dB
		$f_{IN} = 20kHz = 4f_C$	● -43.0	-41.15	-39.0	dB
		$V_S = \pm 2.375V$ , $f_{CLK} = 500kHz$ , $f_C = 5kHz$	$f_{IN} = 1kHz$	● -0.225	-0.185	-0.145
	$f_{IN} = 2.5kHz$		● -1.1	-1.0	-0.83	dB
	$f_{IN} = 4kHz$		● -2.35	-2.15	-1.9	dB
	$f_{IN} = 5kHz$		● -3.35	-3.1	<b>-2.7</b>	dB
	$f_{IN} = 10kHz$		● <b>-14.5</b>	-14.1	<b>-13.0</b>	dB

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