



Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Output Current <sup>1</sup>	$I_0$	$0 < R_{LOAD} < 0.5 \Omega$ $0.5 < R_{LOAD} < 1 \Omega$	-5 -3		+5 +3	A A
Voltage Input Range Differential Common-Mode	$V_I$ $V_{CM}$		-5 -5		+5 +5	V V
Input Impedance Differential Common-Mode	$Z_i$ $Z_{CM1}, Z_{CM2}$	DC Resistance DC Resistance	9.99	20	10.1	M $\Omega$ M $\Omega$
Accuracy Zero-Point Offset Slope		$V_I = 0$	-50 0.999	0.1	50 1.001	% $\mu$ A A/V
Current Monitor Slope Bandwidth <sup>2</sup>			0.99	1.00 31	1.01	V/A kHz
eFuse <sup>3</sup> Charge Time Constant Decay Time Constant Trip Voltage	$\tau_c$ $\tau_d$	Set internally	0.1 0.1	1.00	10.1 10.1	s s V
Dynamic Performance <sup>4</sup> Full Power Bandwidth (-3 dB) Step Response <sup>5</sup>		$R_{LOAD} = 0.5 \Omega$ $\sim 5 \rightarrow \mathbb{R} 5 \text{ A}; R_{LOAD} = 0.5 \Omega$		47 5	95	kHz $\mu$ s
Total Harmonic Distortion (THD) f = 1 kHz f = 5 kHz f = 10 kHz f = 30 kHz		$R_{LOAD} = 0.1 \Omega$		0.04% 0.4% 1.0% 1.0%		
Common Mode Rejection Ratio (CMRR) f = 100 Hz f = 1 kHz f = 10 kHz f = 100 kHz		$Z_0 = 100 \Omega$		96 95 82 60		dB
AC Power Requirements Voltage Frequency			110 47		240 63	VAC Hz
Physical Dimensions  Weight		$h \times w \times d$ $h \times w \times d$		$3.47 \times 8.37 \times 16$ $8.7 \times 21.3 \times 40.6$ 10 4.54		inches cm lbs kg