LINEARIN

LINEARIN
2024

Product Selection

Linearin Technology Corporation

Create a leading Chinese analog device through innovation

Linearin Technology Corporation
www.linearin.com



ABOUT US

COMPANY INTRODUCTION

Linearin Technology Corporation was founded in Feb, 2016, and is a global fabless semiconductor IC design company. Linearin specializes in high performance analog intensive chips and advanced sensor solutions.

We emphasize independent research & development and continuous innovation. All of Linearin products have complete intellectual property rights. Our products have been sold to many segments including White goods, Wearable devices, IOT, Smart sensor, Medical, New energy, Industrial control, Electric tools, E-bike…

Linearin merge into Holyview in 2021, who is going to IPO already, this operation will speed up the company’s development strongly, and become a unicorn enterprise in analog market.

Vision

Create a leading Chinese analog device through innovation

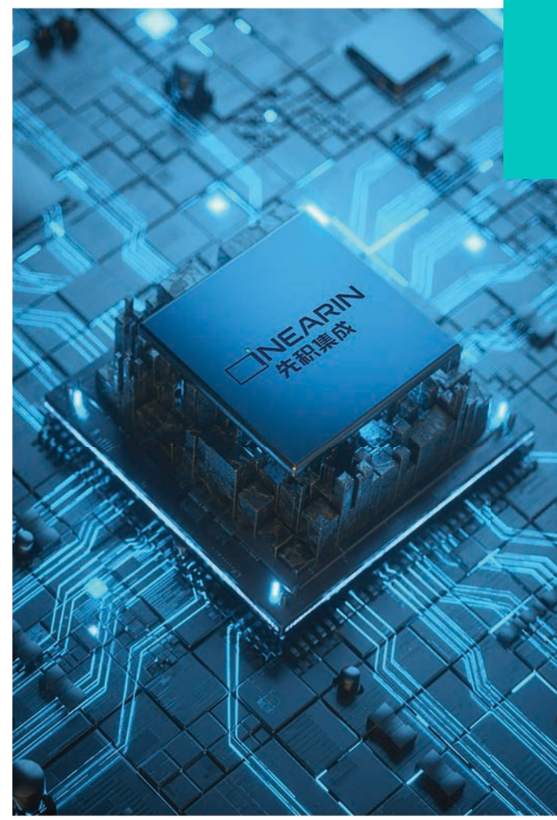
Mission

Provide advanced and high performance analog products, simplify customer’s system design in signal condition, transmission and power management

Linearin : Linear Integrated

Why “Linear” ?

Because linear technology is often used in analog signal processing, “LINEAR” is often referred to as analog products in semiconductor industry. The “LINEAR” part points out the development direction of the company. “IN” is the abbreviation of integrated. On the one hand, it puts forward the general direction of future technology integration.



What is “Integrated” ?

The company hopes to build a product portfolio with unique advantages through the accumulation of various analog IP. Provide customers with high performance products and simplify their system design.

In addition to product aggregation, the company also hopes to maintain a humble and open attitude to aggregate talents in the industry and create an environment for sustainable development. This is the meaning of “IN”.

CONTENTS

01 Current Sense Amplifier

Zero-Drift Current Sense Op-Amps

02 Operational Amplifiers

Low Voltage Low Noise Op-Amps
Low Voltage High Precision Op-Amps
Low Voltage Zero-Drift Op-Amps
Low Voltage Low Power Op-Amps
Low Voltage General Purpose Op-Amps
High Voltage General Operation Op-Amps
High Voltage Precision Operation Op-Amps
High Voltage Zero-Drift Operation Op-Amps
High speed Op-Amps

03 Comparators

Low Voltage Nano Power Comparators
Low Voltage High Speed Comparators
High Voltage Nano Power Comparators

04 Analog Switches

05 Voltage To Current Converter/Transmitter

06 LDO Regulators

Low Noise, High PSRR LDOs
Low Power LDOs

07 H-Bridge Brushed DC Motor Driver (PWM Control)

08 Voltage References

Series Voltage References
Shunt Voltage References

09 Ultra-low-power, High-precision, Programmable-delay Supervisory Circuit

10 Application Specific Standard Parts

APC / Analog to PWM Converter
PAC / PWM to Analog Converter
DPC / Digital to PWM Converter
DAC / Digital to Analog Converter

11 Analog to Digital Converter



INEARIN 先积集成

Linearin Technology Corporation

Zero-Drift Current Sense Op-Amps

☆ **High Integrated**：精度更高，不易产生噪声
☆ **Different Gain**： 设计方便，不同增益管脚兼容，不用改版
☆ **High Vcm**：支持更高的共模输入范围，可以应用在各种不同的高边和低边检流
☆ **Small Footprint**：以节省空间的小型化封装尺寸缩小用户应用线路板的面积

产品型号 Part No.	输出类型 Output type	供电电压 VDD	共模输入范围 VCM	增益 Gain	共模抑制比 CMRR	最大失调电压 Vos Max.	最大温度漂移 Vos Tc	最大增益误差 Gain error Max .	静态电流 IQ	封装 Packages	状态 Status
LTA199G1	电压	2.7~30 V	-0.3~30 V	50 V/V	105 dB	150 μV	1 μV/℃	±1 %	180 μA	SC70-6, TQFN10	Active
LTA199G2	电压	2.7~30 V	-0.3~30 V	100 V/V	105 dB	150 μV	1 μV/℃	±1 %	180 μA	SC70-6, TQFN10	Pre-Release
LTA199G3	电压	2.7~30 V	-0.3~30 V	200 V/V	105 dB	150 μV	1 μV/℃	±1 %	180 μA	SC70-6, TQFN10	Pre-Release
LT199G1	电压	2.5~18 V	-0.3~26 V	50 V/V	105 dB	300 μV	0.5 μV/℃	±0.5 %	70 μA	SC70-6, TQFN10	Active
LT199G2	电压	2.5~18 V	-0.3~26 V	100 V/V	110 dB	180 μV	0.5 μV/℃	±0.5 %	70 μA	SC70-6, TQFN10	Active
LT199G3	电压	2.5~18 V	-0.3~26 V	200 V/V	110 dB	180 μV	0.5 μV/℃	±0.5 %	70 μA	SC70-6, TQFN10	Active
LT199G1A	电压	2.5~18 V	-0.3~18 V	50 V/V	102 dB	300 μV	1 μV/℃	±1 %	70 μA	SC70-6, TQFN10	Active
LT199G2A	电压	2.5~18 V	-0.3~18 V	100 V/V	105 dB	300 μV	1 μV/℃	±1 %	70 μA	SC70-6, TQFN10	Active
LT199G3A	电压	2.5~18 V	-0.3~18 V	200 V/V	105 dB	300 μV	1 μV/℃	±1 %	70 μA	SC70-6, TQFN10	Active
LTA180A1	电压	2.7~5.5 V	-0.2~30 V	20 V/V	100 dB	500 μV	1 μV/℃	±1 %	180 μA	SOT23-5	Active
LTA180A2	电压	2.7~5.5 V	-0.2~30 V	50 V/V	100 dB	500 μV	1 μV/℃	±1 %	180 μA	SOT23-5	Pre-Release
LTA180A3	电压	2.7~5.5 V	-0.2~30 V	100 V/V	100 dB	500 μV	1 μV/℃	±1 %	180 μA	SOT23-5	Pre-Release
LTA180A4	电压	2.7~5.5 V	-0.2~30 V	200 V/V	100 dB	500 μV	1 μV/℃	±1 %	180 μA	SOT23-5	Pre-Release
LTA180B1	电压	2.7~5.5 V	-0.2~30 V	20 V/V	100 dB	500 μV	1 μV/℃	±1 %	180 μA	SOT23-5	Pre-Release
LTA180B2	电压	2.7~5.5 V	-0.2~30 V	50 V/V	100 dB	500 μV	1 μV/℃	±1 %	180 μA	SOT23-5	Pre-Release
LTA180B3	电压	2.7~5.5 V	-0.2~30 V	100 V/V	100 dB	500 μV	1 μV/℃	±1 %	180 μA	SOT23-5	Pre-Release
LTA180B4	电压	2.7~5.5 V	-0.2~30 V	200 V/V	100 dB	500 μV	1 μV/℃	±1 %	180 μA	SOT23-5	Pre-Release
LT180A1	电压	2.7~5.5 V	-0.2~26 V	20 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Active
LT180A2	电压	2.7~5.5 V	-0.2~26 V	50 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Active
LT180A3	电压	2.7~5.5 V	-0.2~26 V	100 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Active
LT180A4	电压	2.7~5.5 V	-0.2~26 V	200 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Active
LT180B1	电压	2.7~5.5 V	-0.2~26 V	20 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Active
LT180B2	电压	2.7~5.5 V	-0.2~26 V	50 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Active
LT180B3	电压	2.7~5.5 V	-0.2~26 V	100 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Active
LT180B4	电压	2.7~5.5 V	-0.2~26 V	200 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Active
LT181A1	电压	2.7~5.5 V	-0.2~26 V	20 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Pre-Release
LT181A2	电压	2.7~5.5 V	-0.2~26 V	50 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Pre-Release
LT181A3	电压	2.7~5.5 V	-0.2~26 V	100 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Pre-Release
LT181A4	电压	2.7~5.5 V	-0.2~26 V	200 V/V	100 dB	500 μV	1 μV/℃	±1 %	80 μA	SOT23-5	Pre-Release

Low Voltage Low Noise Op-Amps

Part No.	CH	VDD	VDDmax	GBW	ENOISE(1kHz)	VNOISE(0.1~10Hz)	THD+N	Vos	Vos TC	SR	ts(to 0.1%)	Rail to Rail	IQ	Packages	Status
LTC8631	1	2.3~5.5 V	10.0 V	9 MHz	13 nV/√Hz	4.2 μVp-p	0.0008%	3.5 mV	2μV/℃	8.5 V/μs	0.3 μs	In,Out	700 μA	SOT23-5	Active
LTC8632	2	2.3~5.5 V	10.0 V	9 MHz	13 nV/√Hz	4.2 μVp-p	0.0008%	3.5 mV	2μV/℃	8.5 V/μs	0.3 μs	In,Out	1.4 mA	SO8, MSOP8, DFN-8	Active
LTC8634	4	2.3~5.5 V	10.0 V	9 MHz	13 nV/√Hz	4.2 μVp-p	0.0008%	3.5 mV	2μV/℃	8.5 V/μs	0.3 μs	In,Out	2.8 mA	SO-14	Active
LTC8831	1	2.0~5.5 V	10.0 V	9 MHz	12 nV/√Hz	4 μVp-p	0.0008%	3.5 mV	2μV/℃	8.5 V/μs	0.3 μs	In,Out	700 μA	SOT23-5, SC70-5	Active
LTC8832	2	2.0~5.5 V	10.0 V	9 MHz	12 nV/√Hz	4 μVp-p	0.0008%	3.5 mV	2μV/℃	8.5 V/μs	0.3 μs	In,Out	1.4 mA	SO8, MSOP8, TSSOP8, DFN-8	Active
LTC8834	4	2.0~5.5 V	10.0 V	9 MHz	12 nV/√Hz	4 μVp-p	0.0008%	3.5 mV	2μV/℃	8.5 V/μs	0.3 μs	In,Out	2.8 mA	SO-14, TSSOP-14	Active
LTC721	1	1.8~5.5 V	10.0 V	11 MHz	8 nV/√Hz	3.7 μVp-p	0.0005%	3.0 mV	1μV/℃	11.5 V/μs	0.26 μs	In,Out	780 μA	SOT23-5, SO8	Active
LTC722	2	1.8~5.5 V	10.0 V	11 MHz	8 nV/√Hz	3.7 μVp-p	0.0005%	3.0 mV	1μV/℃	11.5 V/μs	0.26 μs	In,Out	1.56 mA	SO8, MSOP8, TSSOP8，DFN-8	Active
LTC724	4	1.8~5.5 V	10.0 V	11 MHz	8 nV/√Hz	3.7 μVp-p	0.0005%	3.0 mV	1μV/℃	11.5 V/μs	0.26 μs	In,Out	3.12 mA	SO-14, TSSOP-14	Active
LTC723	1	1.8~5.5 V	10.0 V	11 MHz	8 nV/√Hz	3.7 μVp-p	0.0005%	3.0 mV	1μV/℃	11.5 V/μs	0.26 μs	In,Out	780 μA	SOT23-5, SC70-5	Active
LTC8871	1	1.8~5.5 V	10.0 V	20 MHz	8 nV/√Hz	3 μVp-p	0.0006%	2.5 mV	1μV/℃	22 V/μs	0.25 μs	In,Out	1.1 mA	SOT23-5, SO8	Active
LTC8872	2	1.8~5.5 V	10.0 V	20 MHz	8 nV/√Hz	3 μVp-p	0.0006%	2.5 mV	1μV/℃	22 V/μs	0.25 μs	In,Out	2.2 mA	SO8, MSOP8	Active
LTC8874	4	1.8~5.5 V	10.0 V	20 MHz	8 nV/√Hz	3 μVp-p	0.0006%	2.5 mV	1μV/℃	22 V/μs	0.25 μs	In,Out	4.4 mA	SO-14, TSSOP-14	Active

Low Voltage High Precision Op-Amps

Part No.	CH	VDD	VDDmax	GBW	Vos	Vos TC	VNOISE(0.1~10Hz)	ENOISE(1kHz)	THD+N	SR	ts(to 0.1%)	Rail to Rail	IQ	Packages	Status
LTC8825	1	2.0~5.5 V	10.0 V	0.5MHz	350μV	0.8μV/℃	6 μVp-p	63nV/√Hz	0.005%	0.25 V/μs	6 μs	In,Out	15μA	SOT23-5, SC70-5	Active
LTC8826	2	2.0~5.5 V	10.0 V	0.5MHz	350μV	0.8μV/℃	6 μVp-p	63nV/√Hz	0.005%	0.25 V/μs	6 μs	In,Out	30μA	SO8, MSOP8, DFN8	Active
LTC8827	1	2.0~5.5 V	10.0 V	0.5MHz	350μV	0.8μV/℃	6 μVp-p	63nV/√Hz	0.005%	0.25 V/μs	6 μs	In,Out	15μA	SOT23-5, SC70-5	Active
LTC8828	4	2.0~5.5 V	10.0 V	0.5MHz	350μV	0.8μV/℃	6 μVp-p	63nV/√Hz	0.005%	0.25 V/μs	6 μs	In,Out	45μA	SO-14, TSSOP-14	Active
LTC321A	1	1.8~5.5 V	10.0 V	1 MHz	+1000μV	1μV/℃	6 μVp-p	29 nV/√Hz	0.002%	1 V/μs	1.2 μs	In,Out	85μA	SOT23-5	Active
LTC321B	1	1.8~5.5 V	10.0 V	1.2 MHz	+3000μV	1.5μV/℃	6 μVp-p	30 nV/√Hz	0.005%	1 V/μs	1.5 μs	In,Out	90μA	SOT23-5, SC70-5	Active
LTC321H	1	1.8~5.5 V	10.0 V	1.2 MHz	+2500μV	1μV/℃	6 μVp-p	30 nV/√Hz	0.005%	1 V/μs	1.2 μs	In,Out	90μA	SOT23-5, SC70-5	Active
LTC358A	2	1.8~5.5 V	10.0 V	1 MHz	+1000μV	1μV/℃	6 μVp-p	29 nV/√Hz	0.002%	1 V/μs	1.2 μs	In,Out	170μA	SO8, MSOP8	Active
LTC358H	2	2.0~5.5 V	10.0 V	1 MHz	+2500μV	2μV/℃	6 μVp-p	30 nV/√Hz	0.002%	1 V/μs	1.2 μs	In,Out	180μA	SO8, MSOP8	Active
LTC324H	4	1.8~5.5 V	10.0 V	1.2 MHz	+2500μV	1μV/℃	6 μVp-p	30 nV/√Hz	0.003%	1 V/μs	1.5 μs	In,Out	375μA	SO-14, TSSOP-14	Active
LTC8841	1	1.8~5.5 V	10.0 V	1.5 MHz	350μV	0.8μV/℃	5.6 μVp-p	26 nV/√Hz	0.002%	1.5 V/μs	1.2 μs	In,Out	85μA	SOT23-5, SC70-5	Active
LTC8842	2	1.8~5.5 V	10.0 V	1.5 MHz	350μV	0.8μV/℃	5.6 μVp-p	26 nV/√Hz	0.002%	1.5 V/μs	1.2 μs	In,Out	170μA	SO8, MSOP8	Active
LTC8844	4	1.8~5.5 V	10.0 V	1.5 MHz	500μV	0.8μV/℃	5.6 μVp-p	26 nV/√Hz	0.002%	1.5 V/μs	1.2 μs	In,Out	255μA	SO-14, TSSOP-14	Active

Low Voltage High Precision Op-Amps

Part No.	CH	VDD	VDDmax	GBW	Vos	Vos TC	VNOISE(0.1~10Hz)	ENOISE(1kHz)	THD+N	SR	ts(to 0.1%)	Rail to Rail	IQ	Packages	Status
LTC8835	1	2.0~5.5 V	10.0 V	9 MHz	800 μV	1 μV/℃	4 μVp-p	12 nV/√Hz	0.0008%	9 V/μs	0.3 μs	In,Out	720 μA	SOT23-5, SC70-5	Active
LTC8836	2	2.0~5.5 V	10.0 V	9 MHz	800 μV	1 μV/℃	4 μVp-p	12 nV/√Hz	0.0008%	9 V/μs	0.3 μs	In,Out	1440 μA	SO8, MSOP8	Active
LTC8838	4	2.0~5.5 V	10.0 V	9 MHz	800 μV	1 μV/℃	4 μVp-p	12 nV/√Hz	0.0008%	9 V/μs	0.3 μs	In,Out	2880 μA	SO-14, TSSOP-14	Active
LTC725	1	1.8~5.5 V	10.0 V	11 MHz	350 μV	1 μV/℃	3 μVp-p	8 nV/√Hz	0.0005%	11 V/μs	0.26 μs	In,Out	750 μA	SOT23-5, SC70-5	Active
LTC726	2	1.8~5.5 V	10.0 V	11 MHz	350 μV	1 μV/℃	3 μVp-p	8 nV/√Hz	0.0005%	11 V/μs	0.26 μs	In,Out	1500 μA	SO8, MSOP8, TSSOP8，DFN-8	Active
LTC727	1	1.8~5.5 V	10.0 V	11 MHz	350 μV	1 μV/℃	3 μVp-p	8 nV/√Hz	0.0005%	11 V/μs	0.26 μs	In,Out	750 μA	SOT23-5,SC70-5	Active
LTC728	4	1.8~5.5 V	10.0 V	11 MHz	500 μV	1 μV/℃	3 μVp-p	8 nV/√Hz	0.0005%	11 V/μs	0.26 μs	In,Out	3000 μA	SO-14, TSSOP-14，DFN-16	Active
LTC8875	1	2.0~5.5 V	10.0 V	20 MHz	350 μV	1 μV/℃	3 μVp-p	8 nV/√Hz	0.0005%	20 V/μs	0.22 μs	In,Out	1120 μA	SOT23-5, SC70-5	Active
LTC8876	2	2.0~5.5 V	10.0 V	20 MHz	350 μV	1 μV/℃	3 μVp-p	8 nV/√Hz	0.0006%	20 V/μs	0.22 μs	In,Out	2240 μA	SO8, MSOP8, TSSOP8	Active
LTC8878	4	2.0~5.5 V	10.0 V	20 MHz	500 μV	1 μV/℃	3 μVp-p	8 nV/√Hz	0.0006%	20 V/μs	0.22 μs	In,Out	4480 μA	SO-14, TSSOP-14	Active

Low Voltage Zero-Drift Op-Amps

Part No.	CH	VDD	VDDmax	GBW	Vos	Vos Tc	VNOISE(0.1~10Hz)	ENOISE(1kHz)	CMRR	ts(to 0.1%)	t_{OR}	SR	Rail to Rail	IQ	Packages	Status
LTC8331	1	1.8~5.5 V	10.0 V	0.35 MHz	15 μV	0.05 μV/℃	1.1 μVp-p	57 nV/√Hz	130 dB	6 μs	55 μs	0.22 V/μs	In,Out	26 μA	SOT23-5, SO8	Active
LTC8332	2	1.8~5.5 V	10.0 V	0.35 MHz	15 μV	0.05 μV/℃	1.1 μVp-p	57 nV/√Hz	130 dB	6 μs	55 μs	0.22 V/μs	In,Out	52 μA	SO8, DFN8, MSOP8	Active
LTC8333	1	1.8~5.5 V	10.0 V	0.35 MHz	15 μV	0.05 μV/℃	1.1 μVp-p	57 nV/√Hz	130 dB	6 μs	55 μs	0.22 V/μs	In,Out	26 μA	SOT23-5, SC70-5	Active
LTC8381	1	1.8~5.5 V	10.0 V	0.35 MHz	50 μV	0.15 μV/℃	1.1 μVp-p	69 nV/√Hz	110 dB	6 μs	55 μs	0.2 V/μs	In,Out	27 μA	SOT23-5, SO8	Active
LTC8382	2	1.8~5.5 V	10.0 V	0.35 MHz	50 μV	0.15 μV/℃	1.1 μVp-p	69 nV/√Hz	110 dB	6 μs	55 μs	0.2 V/μs	In,Out	54 μA	SO8, MSOP8	Active
LTC8391	1	1.8~5.5 V	10.0 V	0.33 MHz	120 μV	0.5 μV/℃	2.0 μVp-p	40 nV/√Hz	110 dB	6 μs	55 μs	0.2 V/μs	In,Out	28 μA	SOT23-5, SO8	Active
LTC8392	2	1.8~5.5 V	10.0 V	0.33 MHz	120 μV	0.5 μV/℃	2.0 μVp-p	40 nV/√Hz	110 dB	6 μs	55 μs	0.2 V/μs	In,Out	56 μA	SO8	Active
LTC8551	1	1.8~5.5 V	10.0 V	1.5 MHz	8 μV	0.04 μV/℃	0.45 μVp-p	19 nV/√Hz	130 dB	1.2 μs	35 μs	1.2 V/μs	In,Out	125 μA	SOT23-5, SO8，MSOP8	Active
LTC8552	2	1.8~5.5 V	10.0 V	1.5 MHz	8 μV	0.04 μV/℃	0.45 μVp-p	19 nV/√Hz	130 dB	1.2 μs	35 μs	1.2 V/μs	In,Out	250 μA	SO8, DFN8, MSOP8	Active
LTC8553	1	1.8~5.5 V	10.0 V	1.5 MHz	8 μV	0.04 μV/℃	0.45 μVp-p	19 nV/√Hz	130 dB	1.2 μs	35 μs	1.2 V/μs	In,Out	125 μA	SOT23-5, SC70-5	Active
LTC8554	4	1.8~5.5 V	10.0 V	1.5 MHz	10 μV	0.05 μV/℃	0.45 μVp-p	19 nV/√Hz	130 dB	1.2 μs	35 μs	1.2 V/μs	In,Out	500 μA	SO14, TSSOP14, QFN-16	Active
LTC8581	1	1.8~5.5 V	10.0 V	2 MHz	40 μV	0.05 μV/℃	1.0 μVp-p	19 nV/√Hz	120 dB	1.2 μs	35 μs	1.3 V/μs	In,Out	150 μA	SOT23-5, SO8	Active
LTC8582	2	1.8~5.5 V	10.0 V	2 MHz	40 μV	0.05 μV/℃	1.0 μVp-p	19 nV/√Hz	120 dB	1.2 μs	35 μs	1.3 V/μs	In,Out	300 μA	SO8, DFN8, MSOP8	Active
LTC8584	4	1.8~5.5 V	10.0 V	2 MHz	40 μV	0.05 μV/℃	1.0 μVp-p	19 nV/√Hz	120 dB	1.2 μs	35 μs	1.3 V/μs	In,Out	600 μA	SO14, TSSOP14	Active
LTC8591	1	1.8~5.5 V	10.0 V	1.2 MHz	90 μV	0.05 μV/℃	0.6 μVp-p	25 nV/√Hz	120 dB	1.2 μs	35 μs	1.0 V/μs	In,Out	120 μA	SOT23-5, SO8	Active
LTC8592	2	1.8~5.5 V	10.0 V	1.2 MHz	90 μV	0.05 μV/℃	0.6 μVp-p	25 nV/√Hz	120 dB	1.2 μs	35 μs	1.0 V/μs	In,Out	240 μA	SO8, DFN8, MSOP8	Active
LTC8593	1	1.8~5.5 V	10.0 V	1.2 MHz	90 μV	0.05 μV/℃	0.6 μVp-p	25 nV/√Hz	120 dB	1.2 μs	35 μs	1.0 V/μs	In,Out	120 μA	SOT23-5, SC70-5	Active
LTC8594	4	1.8~5.5 V	10.0 V	1.2 MHz	40 μV	0.05 μV/℃	0.45 μVp-p	19 nV/√Hz	130 dB	1.2 μs	35 μs	1.2 V/μs	In,Out	600 μA	SO14, TSSOP14	Active

Low Voltage Low Power Op-Amps

Part No.	CH	VDD	VDD Max.	GBW	IQ	Vos	Vos Tc	VNOISE(0.1~10Hz)	ENOISE(1kHz)	SR	Packages	Status
LTC8811	1	1.7~5.5 V	10.0 V	15 KHz	0.6 μA	3.0 mV	3 μV/℃	6.3 μVp-p	177 nV/√Hz	6 V/ms	SOT23-5, SC70-5	Active
LTC8811A	1	1.7~5.5 V	10.0 V	15 KHz	0.6 μA	1.0 mV	3 μV/℃	6.3 μVp-p	177 nV/√Hz	6 V/ms	SOT23-5, SC70-5	Active
LTC8812	2	1.7~5.5 V	10.0 V	15 KHz	1.2 μA	3.0 mV	3 μV/℃	6.3 μVp-p	177 nV/√Hz	6 V/ms	SO8, DFN8, MSOP8	Active
LTC8813	1	1.7~5.5 V	10.0 V	15 KHz	0.6 μA	3.0 mV	3 μV/℃	6.3 μVp-p	177 nV/√Hz	6 V/ms	SOT23-5, SC70-5	Active
LTC8814	4	1.7~5.5 V	10.0 V	15 KHz	1.8 μA	3.0 mV	3 μV/℃	6.3 μVp-p	177 nV/√Hz	6 V/ms	SO14, TSSOP14	Active
LTC8821	1	1.8~5.5 V	10.0 V	500 KHz	6.6 μA	2.5 mV	3 μV/℃	6.0 μVp-p	63 nV/√Hz	0.25 V/μs	SOT23-5, SC70-5	Active
LTC8822	2	1.8~5.5 V	10.0 V	500 KHz	13.2 μA	2.5 mV	3 μV/℃	6.0 μVp-p	63 nV/√Hz	0.25 V/μs	SO8, MSOP8, DFN-8	Active
LTC8823	1	1.8~5.5 V	10.0 V	500 KHz	6.6 μA	2.5 mV	3 μV/℃	6.0 μVp-p	63 nV/√Hz	0.25 V/μs	SOT23-5, SC70-5	Active
LTC8824	4	1.8~5.5 V	10.0 V	500 KHz	26.4 μA	2.5 mV	3 μV/℃	6.0 μVp-p	63 nV/√Hz	0.25 V/μs	SO-14, TSSOP-14	Active

Low Voltage General Purpose Op-Amps

Part No.	CH	VDD	VDD Max.	GBW	Vos Max.	Vos Tc	VNOISE(0.1~10Hz)	ENOISE(1kHz)	SR	ts(to 0.1%)	Rail to Rail	IQ	Packages	Status
LTC321	1	1.8~5.5 V	10.0 V	1.2 MHz	3mV	3.5 μV/℃	6 μVp-p	30 nV/√Hz	1 V/μs	1.5 μs	In,Out	85 μA	SOT23-5, SC70-5	Active
LTC358	2	1.8~5.5 V	10.0 V	1.2 MHz	3mV	3.5 μV/℃	6 μVp-p	30 nV/√Hz	1 V/μs	1.5 μs	In,Out	170 μA	SO8, MSOP8, DFN2x2-8	Active
LTC324	4	1.8~5.5 V	10.0 V	1.2 MHz	3mV	3.5 μV/℃	6 μVp-p	30 nV/√Hz	1 V/μs	1.5 μs	In,Out	340 μA	SO-14, TSSOP-14	Active
LTC6001	1	1.8~5.5 V	10.0 V	1.5 MHz	2.5mV	3.0 μV/℃	5.6 μVp-p	25 nV/√Hz	1.2 V/μs	1.2 μs	In,Out	75 μA	SOT23-5, SC70-5	Active
LTC6001U	1	1.8~5.5 V	10.0 V	1.5 MHz	2.5mV	3.0 μV/℃	5.6 μVp-p	25 nV/√Hz	1.2 V/μs	1.2 μs	In,Out	75 μA	SOT23-5, SC70-5	Active
LTC6002	2	1.8~5.5 V	10.0 V	1.5 MHz	2.5mV	3.0 μV/℃	5.6 μVp-p	25 nV/√Hz	1.2 V/μs	1.2 μs	In,Out	150 μA	SO8, MSOP8, DFN2x2-8	Active
LTC6004	4	1.8~5.5 V	10.0 V	1.5 MHz	2.5mV	3.0 μV/℃	5.6 μVp-p	25 nV/√Hz	1.2 V/μs	1.2 μs	In,Out	300 μA	SO-14, TSSOP-14, QFN3x3-16	Active
LTC8541	1	2.0~5.5 V	10.0 V	1.5 MHz	2.5mV	3.0 μV/℃	5.6 μVp-p	25 nV/√Hz	1.2 V/μs	1.2 μs	In,Out	75 μA	SOT23-5,SC70-5	Active
LTC8542	2	2.0~5.5 V	10.0 V	1.5 MHz	2.5mV	3.0 μV/℃	5.6 μVp-p	25 nV/√Hz	1.2 V/μs	1.2 μs	In,Out	150 μA	SO8, MSOP8, DFN2x2-8	Active
LTC8544	4	2.0~5.5 V	10.0 V	1.5 MHz	2.5mV	300 μA	5.6 μVp-p	25 nV/√Hz	1.2 V/μs	1.2 μs	In,Out	300 μA	SO-14, TSSOP-14,QFN3x3-16	Active

High-Voltage General Operation Op-Amps

Part No.	CH	VDD	VDD Max.	GBW	Vos Max.	Vos Tc	VNOISE(0.1~10Hz)	ENOISE(1kHz)	SR	ts(to 0.1%)	Rail to Rail	IQ	Packages	Status
LTA8221	1	4.0~40.0 V	60.0 V	0.1 MHz	3 mV	2.0 μV/℃	2.5 μVp-p	63 nV/√Hz	/	/	In-, Out	20 μA	SOT23-5, SO-8	Pre-release
LTA8222	2	4.0~40.0 V	60.0 V	0.1 MHz	3 mV	2.0 μV/℃	2.5 μVp-p	63 nV/√Hz	/	/	In-, Out	40μA	SO8, MSOP8, DFN3x3-8	Pre-release
LTA8224	4	4.0~40.0 V	60.0 V	0.1 MHz	3 mV	2.0 μV/℃	2.5 μVp-p	63 nV/√Hz	/	/	In-, Out	80 μA	SO-14	Pre-release
LTA8261	1	4.5~48.0 V	60.0 V	1.1 MHz	2 mV	2.0 μV/℃	5 μVp-p	22 nV/√Hz	0.8 V/μs	16 μs	In-, Out	140 μA	SOT23-5, SO8,MSOP8	Active
LTA8262	2	4.5~48.0 V	60.0 V	1.1 MHz	2 mV	2.0 μV/℃	5 μVp-p	22 nV/√Hz	0.8 V/μs	16 μs	In-, Out	280 μA	SO8, MSOP8, DFN3x3-8	Active
LTA8264	4	4.5~48.0 V	60.0 V	1.1 MHz	2 mV	2.0 μV/℃	5 μVp-p	22 nV/√Hz	0.8 V/μs	16 μs	In-, Out	560 μA	SO14, TSSOP14	Active

High Voltage General Operation Op-Amps

Part No.	CH	VDD	VDD Max.	GBW	Vos Max.	Vos Tc	VNOISE(0.1~10Hz)	ENOISE(1kHz)	SR	ts(to 0.1%)	Rail to Rail	IQ	Packages	Status
LTA2904H	2	4.5~40.0 V	60.0 V	1.1 MHz	3 mV	7.0 μV/℃	5 μVp-p	40 nV/√Hz	0.5 V/μs	16 μs	In-, Out	300 μA	SO8	Active
LTA8271	1	4.5~48.0 V	60.0 V	4 MHz	2 mV	2.0 μV/℃	4.6 μVp-p	15 nV/√Hz	3 V/μs	3.6 μs	In-, Out	620 μA	SOT23-5, SO8	Active
LTA8272	2	4.5~48.0 V	60.0 V	4 MHz	2 mV	2.0 μV/℃	4.6 μVp-p	15 nV/√Hz	3 V/μs	3.6 μs	In-, Out	1240 μA	SO8, MSOP8, DFN3x3-8	Active
LTA8274	4	4.5~48.0 V	60.0 V	4 MHz	2 mV	2.0 μV/℃	4.6 μVp-p	15 nV/√Hz	3 V/μs	3.6 μs	In-, Out	2480 μA	SO14, TSSOP14	Active
LTA082H	2	4.5~40.0 V	60.0 V	5.25 MHz	4 mV	2.0 μV/℃	9 μVp-p	37 nV/√Hz	9 V/μs	1.6 μs	In-, Out	2050 μA	SO8	Active
LTA8281	1	4.5~48.0 V	60.0 V	10 MHz	1.8 mV	2.0 μV/℃	4 μVp-p	10 nV/√Hz	9 V/μs	1.6 μs	In-, Out	2750 μA	SOT23-5, SO8	Active
LTA8282	2	4.5~48.0 V	60.0 V	10 MHz	1.8 mV	2.0 μV/℃	4 μVp-p	10 nV/√Hz	9 V/μs	1.6 μs	In-, Out	5500 μA	SO8, MSOP8, DFN3x3-8	Active
LTA8284	4	4.5~48.0 V	60.0 V	10 MHz	1.8 mV	2.0 μV/℃	4 μVp-p	10 nV/√Hz	9 V/μs	1.6 μs	In-, Out	11000 μA	SO14, TSSOP14	Active
LTA4580	2	4.0~36.0 V	60.0 V	19 MHz	3 mV	2.0 μV/℃	0.8 μVp-p	/	17 V/μs	/	In-, Out	14600 μA	SO8, MSOP8, TSSOP8	Active
LTA4584	4	4.0~36.0 V	60.0 V	19 MHz	3 mV	2.0 μV/℃	0.8 μVp-p	/	17 V/μs	/	In-, Out	29200 μA	SO14, TSSOP14	Active
LTA8291	1	4.5~48.0 V	60.0 V	22 MHz	1.8 mV	2.0 μV/℃	3.6 μVp-p	8 nV/√Hz	20 V/μs	0.9 μs	In-, Out	7100 μA	SOT23-5, SO8	Active
LTA8292	2	4.5~48.0 V	60.0 V	22 MHz	1.8 mV	2.0 μV/℃	3.6 μVp-p	8 nV/√Hz	20 V/μs	0.9 μs	In-, Out	14200 μA	SO8, MSOP8, DFN3x3-8	Active
LTA8294	4	4.5~48.0 V	60.0 V	22 MHz	1.8 mV	2.0 μV/℃	3.6 μVp-p	8 nV/√Hz	20 V/μs	0.9 μs	In-, Out	28400 μA	SO14, TSSOP14	Active
LTA6321	1	3.0~36.0 V	40.0 V	1 MHz	3 mV	2.0 μV/℃	4.77 μVp-p	54 nV/√Hz	0.8 V/μs	/	In-, Out	160 μA	SOT23, SC70-5	Pre-release
LTA6358	2	3.0~36.0 V	40.0 V	1 MHz	3 mV	2.0 μV/℃	4.77 μVp-p	54 nV/√Hz	0.8 V/μs	/	In-, Out	320 μA	SO8, MSOP8, TSSOP8	Pre-release
LTA6324	4	3.0~36.0 V	40.0 V	1 MHz	3 mV	2.0 μV/℃	4.77 μVp-p	54 nV/√Hz	0.8 V/μs	/	In-, Out	640 μA	SO14, TSSOP14	Pre-release

High Voltage Precision Operation Op-Amps

Part No.	CH	VDD	VDD Max.	GBW	Vos Max.	Vos Tc	VNOISE(0.1~10Hz)	ENOISE(1kHz)	SR	ts(to 0.1%)	Rail to Rail	IQ	Packages	Status
LTA8021	1	4.5~48.0 V	60.0 V	0.1 MHz	0.75 mV	1.0 μV/℃	6 μVp-p	28 nV/√Hz	0.06 V/μs	28 μs	In-, Out	12 μA	SOT23-5, SO-8	Pre-release
LTA8022	2	4.5~48.0 V	60.0 V	0.1 MHz	0.75 mV	1.0 μV/℃	6 μVp-p	28 nV/√Hz	0.06 V/μs	28 μs	In-, Out	24 μA	SO8, MSOP8, DFN3x3-8	Pre-release
LTA8024	4	4.5~48.0 V	60.0 V	0.1 MHz	0.75 mV	1.0 μV/℃	6 μVp-p	28 nV/√Hz	0.06 V/μs	28 μs	In-, Out	48 μA	SO-14	Pre-release
LTA8061	1	4.5~48.0 V	60.0 V	1.1 MHz	0.1 mV	1.0 μV/℃	4 μVp-p	25 nV/√Hz	0.8 V/μs	6 μs	In-, Out	220 μA	SOT23-5, SO8	Active
LTA8062	2	4.5~48.0 V	60.0 V	1.1 MHz	0.1 mV	1.0 μV/℃	4 μVp-p	25 nV/√Hz	0.8 V/μs	6 μs	In-, Out	440 μA	SO8, MSOP8, DFN3x3-8	Active
LTA8064	4	4.5~48.0 V	60.0 V	1.1 MHz	0.1 mV	1.0 μV/℃	4 μVp-p	25 nV/√Hz	0.8 V/μs	6 μs	In-, Out	880 μA	SO-14, TSSOP-14	Active
LTA8071	1	4.5~48.0 V	60.0 V	4 MHz	0.35 mV	1.5 μV/℃	4.6 μVp-p	15 nV/√Hz	3 V/μs	3.6 μs	In-, Out	620 μA	SOT23-5, SO8	Active
LTA8072	2	4.5~48.0 V	60.0 V	4 MHz	0.35 mV	1.5 μV/℃	4.6 μVp-p	15 nV/√Hz	3 V/μs	3.6 μs	In-, Out	1240 μA	SO8, MSOP8, DFN3x3-8	Active
LTA8074	4	4.5~48.0 V	60.0 V	4 MHz	0.35 mV	1.5 μV/℃	4.6 μVp-p	15 nV/√Hz	3 V/μs	3.6 μs	In-, Out	2480 μA	SO-14, TSSOP-14	Active
LTA8081	1	4.5~48.0 V	60.0 V	10 MHz	0.35 mV	1.5 μV/℃	4 μVp-p	8 nV/√Hz	9 V/μs	1.6 μs	In-, Out	2750 μA	SOT23-5, SO8	Active
LTA8082	2	4.5~48.0 V	60.0 V	10 MHz	0.35 mV	1.5 μV/℃	4 μVp-p	8 nV/√Hz	9 V/μs	1.6 μs	In-, Out	5500 μA	SO8, MSOP8, DFN3x3-8	Active
LTA8084	4	4.5~48.0 V	60.0 V	10 MHz	0.35 mV	1.5 μV/℃	4 μVp-p	8 nV/√Hz	9 V/μs	1.6 μs	In-, Out	11000 μA	SO-14, TSSOP-14	Active
LTA8091	1	4.5~48.0 V	60.0 V	22 MHz	0.1 mV	1.5 μV/℃	3.6 μVp-p	8 nV/√Hz	20 V/μs	0.9 μs	In-, Out	7100 μA	SOT23-5, SO8	Active
LTA8092	2	4.5~48.0 V	60.0 V	22 MHz	0.1 mV	1.5 μV/℃	3.6 μVp-p	8 nV/√Hz	20 V/μs	0.9 μs	In-, Out	14200 μA	SO8, MSOP8, DFN3x3-8	Active
LTA8094	4	4.5~48.0 V	60.0 V	22 MHz	0.1 mV	1.5 μV/℃	3.6 μVp-p	8 nV/√Hz	20 V/μs	0.9 μs	In-, Out	28400 μA	SO-14, TSSOP-14	Active

High Voltage Zero-Drift Operation Op-Amps

Part No.	CH	VDD	VDD Max.	GBW	Vos Max.	Vos Tc	VNOISE(0.1~10Hz)	ENOISE(1kHz)	SR	ts(to 0.1%)	Rail to Rail	IQ	Packages	Status
LTA8131	1	4.5~48.0 V	60.0 V	0.1 MHz	0.02 mV	1.0 μV/℃	0.05 μVp-p	50 nV/√Hz	0.4 V/μs	38 μs	In-, Out	17 μA	SOT23-5, SO8, MSOP8	Pre-release
LTA8132	2	4.5~48.0 V	60.0 V	0.1 MHz	0.02 mV	1.0 μV/℃	0.05 μVp-p	50 nV/√Hz	0.4 V/μs	38 μs	In-, Out	34 μA	SO8, MSOP8, DFN3x3-8	Pre-release
LTA8134	4	4.5~48.0 V	60.0 V	0.1 MHz	0.02 mV	1.0 μV/℃	0.05 μVp-p	50 nV/√Hz	0.4 V/μs	38 μs	In-, Out	68 μA	SO14, TSSOP14	Pre-release
LTA8151	1	4.5~48.0 V	60.0 V	1 MHz	0.03 mV	0.05 μV/℃	0.41 μVp-p	22 nV/√Hz	0.56 V/μs	22 μs	In-, Out	160 μA	SOT23-5, SO8, MSOP8	Active
LTA8152	2	4.5~48.0 V	60.0 V	1 MHz	0.03 mV	0.05 μV/℃	0.41 μVp-p	22 nV/√Hz	0.56 V/μs	22 μs	In-, Out	320 μA	SO8, MSOP8, DFN3x3-8	Active
LTA8154	4	4.5~48.0 V	60.0 V	1 MHz	0.03 mV	0.05 μV/℃	0.41 μVp-p	22 nV/√Hz	0.56 V/μs	22 μs	In-, Out	640 μA	SO14, TSSOP14	Active
LTA8181	1	4.5~48.0 V	60.0 V	4 MHz	0.025 mV	0.05 μV/℃	0.32 μVp-p	15 nV/√Hz	2.6 V/μs	5 μs	In-, Out	690 μA	SOT23-5, SO8, MSOP8	Active
LTA8182	2	4.5~48.0 V	60.0 V	4 MHz	0.025 mV	0.05 μV/℃	0.32 μVp-p	15 nV/√Hz	2.6 V/μs	5 μs	In-, Out	1380 μA	SO8, MSOP8, DFN3x3-8	Active
LTA8184	4	4.5~48.0 V	60.0 V	4 MHz	0.025 mV	0.05 μV/℃	0.32 μVp-p	15 nV/√Hz	2.6 V/μs	5 μs	In-, Out	2760 μA	SO14, TSSOP14	Active
LTA77E	1	6.0~44.0 V	60.0 V	0.9 MHz	0.025 mV	0.3 μV/℃	0.5 μVp-p	/	0.5 V/μs	/	In-, Out	220 μA	SO8	Active
LTA77F	1	6.0~44.0 V	60.0 V	0.9 MHz	0.06 mV	0.6 μV/℃	0.5 μVp-p	/	0.5 V/μs	/	In-, Out	220 μA	SO8	Active
LTA27A	1	8.0~44.0 V	60.0 V	4.5 MHz	0.025 mV	0.2 μV/℃	0.32 μVp-p	14 nV/√Hz	3 V/μs	/	/	700 μA	SO8	Active
LTA27C	1	8.0~44.0 V	60.0 V	4.5 MHz	0.1 mV	0.6 μV/℃	0.32 μVp-p	14 nV/√Hz	3 V/μs	/	/	700 μA	SO8	Active

High speed Op-Amps

Part No.	CH	VDD	VDD Max.	BW(-3dB)	BW(0.1dB)	SR	IQ	Rail to Rail	Vos	Packages	Status
LTA6031	1	2.5~12.6 V	13.5 V	60 MHz	/	/	/	/	/	SOT23-5,SOIC8	Pre-release
LTA6032	2	2.5~12.6 V	13.5 V	60 MHz	/	/	/	/	/	SOIC8,MSOP8	Pre-release
LTA6034	4	2.5~12.6 V	13.5 V	60 MHz	/	/	/	/	/	SOIC14,TSSOP14	Pre-release
LTA6041	1	2.5~12.6 V	13.5 V	100 MHz	20 MHz	100 V/μs	8 mA	In-/Out	2 mV	SOT23-5,SOIC8	Active
LTA6042	2	2.5~12.6 V	13.5 V	100 MHz	20 MHz	100 V/μs	16 mA	In-/Out	2 mV	SOIC8,MSOP8	Active
LTA6044	4	2.5~12.6 V	13.5 V	100 MHz	20 MHz	100 V/μs	32 mA	In-/Out	2 mV	SOIC14,TSSOP14	Active
LTA6051	1	2.5~12.6 V	13.5 V	200 MHz	/	160 V/μs	8 mA	In-/Out	2 mV	SOT23-5,SOIC8	Pre-release
LTA6052	2	2.5~12.6 V	13.5 V	200 MHz	/	160 V/μs	16 mA	In-/Out	2 mV	SOIC8,MSOP8	Pre-release
LTA6054	4	2.5~12.6 V	13.5 V	200 MHz	/	160 V/μs	32 mA	In-/Out	2 mV	SOIC14,TSSOP14	Pre-release

Low Voltage Nano Power Comparators

Part No.	CH	VDD	VDD Max.	tPD+ (L–H)	tPD– (H–L)	VHYST	VOS Max.	Output	IQ	Packages	Status
LTC8701	1	1.7~5.5 V	10 V	12000 ns	13000 ns	5.0 mV	3.5 mV	Push-Pull	0.355 μA	SOT23-5, SC70-5, DFN-8	Active
LTC8702	2	1.7~5.5 V	10 V	12000 ns	13000 ns	5.0 mV	3.5 mV	Push-Pull	0.71 μA	SO8, MSOP8, DFN-8	Active
LTC8703	1	1.7~5.5 V	10 V	12000 ns	13000 ns	5.0 mV	3.5 mV	Push-Pull	0.355 μA	SOT23-5, SC70-5	Active
LTC8704	4	1.7~5.5 V	10 V	12000 ns	13000 ns	5.0 mV	3.5 mV	Push-Pull	1.42 μA	SO14, TSSOP14	Active
LTC8705	1	1.7~5.5 V	10 V	-	12000 ns	4.0 mV	5.5 mV	Open-Drain	0.42 μA	SOT23-5, SC70-5	Active
LTC8706	2	1.7~5.5 V	10 V	-	12000 ns	4.0 mV	5.5 mV	Open-Drain	0.84 μA	SO8, MSOP8	Active
LTC8707	1	1.7~5.5 V	10 V	-	12000 ns	4.0 mV	5.5 mV	Open-Drain	0.42 μA	SOT23-5, SC70-5	Active
LTC8708	4	1.7~5.5 V	10 V	-	12000 ns	4.0 mV	5.5 mV	Open-Drain	1.68 μA	SO14, TSSOP14	Active

Low Voltage High Speed Comparators

Part No.	CH	VDD	VDD Max.	tPD+ (L–H)	tPD– (H–L)	VHYST	VOS Max.	Output	IQ	Packages	Status
LTC8721	1	1.7~5.5 V	10 V	78 ns	66 ns	3 mV	3.5 mV	Push-Pull	22 μA	SOT23-5, SC70-5	Active
LTC8722	2	1.7~5.5 V	10 V	78 ns	66 ns	3 mV	3.5 mV	Push-Pull	44 μA	SO8, MSOP8, DFN-8	Active
LTC8723	1	1.7~5.5 V	10 V	78 ns	66 ns	3 mV	3.5 mV	Push-Pull	22 μA	SOT23-5	Active
LTC8725	1	1.7~5.5 V	10 V	-	66 ns	3 mV	3.5 mV	Open-Drain	22 μA	SOT23-5, SC70-5	Active
LTC8726	2	1.7~5.5 V	10 V	-	66 ns	3 mV	3.5 mV	Open-Drain	44 μA	SO8, MSOP8, DFN-8	Active
LTC8727	1	1.7~5.5 V	10 V	-	66 ns	3 mV	3.5 mV	Open-Drain	22 μA	SOT23-5	Active
LTC8728	4	1.7~5.5 V	10 V	-	66 ns	3 mV	3.5 mV	Open-Drain	88 μA	SO14, TSSOP14	Active
LTC8741	1	1.8~5.5 V	10 V	39 ns	33 ns	3 mV	3.5 mV	Push-Pull	135 μA	SOT23-5, SC70-5	Active
LTC8742	2	1.8~5.5 V	10 V	39 ns	33 ns	3 mV	3.5 mV	Push-Pull	270 μA	SO8, MSOP8, DFN-8	Active
LTC8743	1	1.8~5.5 V	10 V	39 ns	33 ns	3 mV	3.5 mV	Push-Pull	135 μA	SOT23-5, SC70-5	Active
LTC8744	4	1.8~5.5 V	10 V	39 ns	33 ns	3 mV	3.5 mV	Push-Pull	540 μA	SO14, TSSOP14	Active
LTC8745	1	1.8~5.5 V	10 V	-	33 ns	3 mV	4.0 mV	Open-Drain	135 μA	SOT23-5, SC70-5	Pre-release
LTC8746	2	1.8~5.5 V	10 V	-	33 ns	3 mV	4.0 mV	Open-Drain	270 μA	SO8, MSOP8, TSSOP8	Pre-release
LTC8748	4	1.8~5.5 V	10 V	-	33 ns	3 mV	4.0 mV	Open-Drain	540 μA	SO14, TSSOP14	Pre-release
LTC331	1	1.8~5.5 V	10 V	-	100 ns	3 mV	5.0 mV	Open-Drain	37 μA	SOT23-5, SC70-5	Active
LTC393	2	1.8~5.5 V	10 V	-	100 ns	3 mV	5.0 mV	Open-Drain	74 μA	SO8, MSOP8, TSSOP8, DFN-8	Active
LTA6771	1	2.7~5.5 V	10 V	4 ns	4 ns	10 mV	5.0 mV	Push-Pull	3000 μA	SOT23-6, SO8	Pre-release
LTA6772	2	2.7~5.5 V	10 V	4 ns	4 ns	10 mV	5.0 mV	Push-Pull	6000 μA	SOT23-8, SO8, MSOP8	Pre-release
LTA6773	1	2.7~5.5 V	10 V	4 ns	4 ns	10 mV	5.0 mV	Push-Pull	3000 μA	SOT23-5, SC70-5	Pre-release

High Voltage Nano Power Comparators

Part No.	CH	VDD	VDD Max.	tPD+ (L–H)	tPD– (H–L)	VHYST	VOS	Output	IQ	Packages	Status
LTA391	1	2.0~36.0 V	38 V	-	1.4 µs	-	1 mV	Open-Drain	280 µA	SOT23-5	Active
LTA2903	2	2.0~36.0 V	38 V	-	1.4 µs	-	1 mV	Open-Drain	560 µA	SO8, MSOP8, TSSOP8, DFN2*2-8	Active
LTA2901	4	2.0~36.0 V	38 V	-	1.4 µs	-	1 mV	Open-Drain	1120 µA	SO14, TSSOP14, DFN3*3-16	Active

Analog Switches

Part No.	CH	Lnput Voltage	Ron	Hz	Leakage Current	Control Interface	Input Range	Packages	Status
LTC3157	(2:1) x 1	1.65 ~ 5.5 V	5 Ω	350 M	100 pA	H/L	0V ~ Vcc	SC70-6,DFN-6	Active
LTC5223	(2:1) x 2	1.65 ~ 5.5 V	0.55 Ω	18 M	100 pA	H/L	0V ~ Vcc	MSOP-10,DFN-10,QFN-10	Active
LTC2467	(2:1) x4	1.65 ~ 4.7 V	0.5 Ω	50M	100 pA	H/L	-0.5V ~ Vcc	QFN3×3-16	Active
LTC5228	(2:1) x 2	1.65 ~ 5.5 V	0.5 Ω	55M	300 pA	H/L	-2.0V ~ Vcc	MSOP-10,QFN-10	Active
LTC7222	(2:2) x 1	1.65 ~ 4.5 V	6 Ω	750M	1uA	H/L	-0.5V ~ Vcc	MSOP-10,QFN-10	Active
LTC7227	(2:2) x 1	1.65 ~ 4.5 V	6 Ω	900M	1uA	H/L	-0.5V ~ Vcc	MSOP-10,QFN-10	Active

Voltage To Current Converter/Transmitter

Part No.	Function	VDD	Linearity	Input	Fault Alarm	Packages	Application	Status
LTS110	三线4-20mA	8 ~36 V	0.05%	Voltage	支持	<500 uA	2.5V	Active
LTS111	三线4-20mA	8 ~36 V	0.05%	Voltage	支持	<500 uA	3V	Active
LTS115	两线4-20mA	8 ~36 V	0.03%	Voltage	不支持	<300 uA	2.5V	Pre-release
LTS116	两线4-20mA	8 ~36 V	0.03%	Voltage	不支持	<300 uA	4.096V	Pre-release
LTS117	两线4-20mA	8 ~36 V	0.03%	Voltage	不支持	<300 uA	2.5V/4.096V	Pre-release
LTS8630	4-20mA/0-5V/0-10V/±10V	8 ~36 V	0.02%	PWM/I2C	支持	<2mA	2.5V	Pre-release



Signal Conditioning Products

Low Power LDOs

Part No.	Input Voltage	Output Voltage fix	Output Curre	IQ	PSRR (1kHz)	Output Noise	Vdrop	Output discharge Y/N	Enable	Packages	Status
LTP3631	2.2 ~ 5.5 V	1.1 ~ 3.6 V	200 mA	0.6 μA	55 dB	55 μV	250 mV	Y	Y	SOT23-5, DFN1*1	Active
LTP3633	2.2 ~ 5.5 V	1.1 ~ 3.6 V	200 mA	0.8 μA	60 dB	55 μV	250 mV	Y	N	SOT23-5	Active
LTP3635	2.0 ~ 5.5 V	1.2 ~ 3.6 V	300 mA	0.4 μA	55 dB	100 μV	170 mV	Y	N	SOT23-3,SOT23-5	Active
LTP3636	2.0 ~ 5.5 V	1.2 ~ 3.6 V	300 mA	0.8 μA	55 dB	100 μV	170 mV	Y	N	SOT23-3,SOT23-5	Active
LTP3637	2.0 ~ 5.5 V	1.2 ~ 3.6 V	300 mA	0.8 μA	55 dB	100 μV	170 mV	Y	Y	SOT23-5	Active
LTP3565	24 V	3.3 V 5.0 V	150 mA	1.5 μA	55 dB	/	360 mV	N	N	SOT23-3, SOT23-5, SOT-89	Active
LTP3567	36 V	1.8 V 3.3 V 5.0 V	100 mA	1.3 μA	/	/	700 mV	N	Y	SOT23-5	Active
LTP3558/A	36 V	1.8 V 2.5 V 3.0 V 3.3 V 3.6 V 5.0 V	200 mA	1.5 μA	39 dB	90 μV	520 mV	N	N	SOT23-3,SOT23-5, SOT-89, DFN1*1	Active
LTP3559/A	45 V	1.8 V 2.5 V 3.0 V 3.3 V 3.6 V 5.0 V	350 mA	2.5 μA	60 dB	100 μV	330 mV	N	Y	SOT23-3,SOT23-5, SOT-89, DFN1*1	Active
LTP6202	2.8 ~ 7.0 V	2.8 V 3.0 V 3.3 V	300 mA	6 μA	75 dB	/	150 mV	N	N	SOT-23-3	Active
LTP3570	40 V	12 V	500 mA	2.5 μA	62 dB	/	300 mV	N	N	SOT-89-3	Active

Low Noise, High PSRR

Part No.	Input Voltage	Output Voltage fix	Output Curre	Output Noise	PSRR (1kHz)	IQ	Vdrop	Output discharge Y/N	Enable	Packages	Status
LTP33XX	2.5 ~ 6.0 V	1.1 ~ 3.6 V	300 mA	45 μV	70 dB@1kHz	40 μA	190 mV	Y	Y	SOT23-5, SC70-5,SOT89, UTDFN1*1, DFN1*1	Active
LTP3454-XX	1.2 ~ 5.5 V	0.5 ~ 3.8 V	400 mA	40 μV	80 dB@1kHz	48 μA	220 mV	Y	Y	SOT23-5, SOT89, ,DFN1*1	Active
LTP3456-XX	1.9 ~ 5.5 V	0.8 ~ 3.3 V	500 mA	40 μV	70 dB@1kHz	45 μA	200 mV	Y	Y	SOT23-5, DFN1*1	Active
LTP3465-XX	1.6 ~ 5.5 V	1.2 ~ 3.8 V	500 mA	20 μV	75 dB@1kHz	42 μA	145 mV	Y	Y	SOT23-5, DFN1*1	Active
LTP829	20 V	0.7 ~ 5.0 V	1000 mA	60 μV	80 dB@1kHz	100 μA	598 mV	Y	Y	SOT-223, SOT89, ESOP8	Active
LTP7693	1.1 ~ 6.5 V	0.8 ~ 5.15 V	3000 mA	4.4 μV	40 dB@500kHz	25 μA	180 mV	Y	Y	QFN3.5 * 3.5-20	Active
LTP753	1.7 ~ 5.5 V	0.8 ~ 3.6 V	300 mA	75 μV	70 dB@1kHz	50 μA	210 mV	Y	Y	SOT23-5, DNF1*1-4 ,DFN2*2-6	Active
LTP7792	2.3 ~ 6.5 V	1.3 ~ 5 V	2 A	5 μV	60 dB(100kHz)	0.7 mA	135 mV	Y	Y	DFN3×3-8	Active

H-Bridge Brushed DC Motor Driver (PWM Control)

Part No.	VM	RDS(on)	IPK	IVMSLEEP	IVM	VF	tBLANK	toff	ton	tDEAD	Packages	Status
LTP5070	8 ~ 36 V	0.65 Ω	3.5 A	1nA	10 mA	1.5 V	3 us	25 us	30 us	500 ns	ESOP8	Active

Series Voltage References

Part No.	Output Voltage	Precision	Temperature Drift	Noise	Supply Voltage	Power Dissipation	Operating Temperature	Packages	Status
LTR3312	1.25 V	0.1%	20 PPM/℃	15 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active
LTR3320	2.048 V	0.1%	20 PPM/℃	15 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active
LTR3325	2.5 V	0.1%	20 PPM/℃	15 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active
LTR3330	3.0 V	0.1%	20 PPM/℃	15 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active
LTR3333	3.3 V	0.1%	20 PPM/℃	15 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active
LTR3340	4.096 V	0.1%	20 PPM/℃	15 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active
LTR3012	1.25 V	0.15%	30 PPM/℃	20 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active
LTR3020	2.048 V	0.15%	30 PPM/℃	20 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active
LTR3025	2.5 V	0.15%	30 PPM/℃	20 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active
LTR3030	3.0 V	0.15%	30 PPM/℃	20 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active
LTR3033	3.3 V	0.15%	30 PPM/℃	20 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active
LTR3040	4.096 V	0.15%	30 PPM/℃	20 μV/V	2.7 ~ 5.5 V	<500 μA	-40~125 ℃	SOT23-3	Active

Shunt Voltage References

Part No.	Output voltage	Reference voltage	Output Voltage（min）	Output Voltage (max)	Precision	Output Current（max）	Temperature Drift	Output Impedance	Cathode Current	Operating Temperature	Packages	Status
LTP431B	2.495 V	tunable	2.495 V	36 V	0.5 %	100mA	5 mV	0.2 Ω	300 uA	-40~125 ℃	SOT23-3	Active
LTP431A	2.495 V	tunable	2.495 V	36 V	1 %	100mA	15 mV	0.2 Ω	300 uA	-40~125 ℃	SOT23-3	Active
LTP432B	2.495 V	tunable	2.495 V	36 V	0.5 %	100mA	5 mV	0.2 Ω	300 uA	-40~125 ℃	SOT23-3	Active
LTP432A	2.495 V	tunable	2.495 V	36 V	1 %	100mA	15 mV	0.2 Ω	300 uA	-40~125 ℃	SOT23-3	Active

Ultra-low-power, High-precision, Programmable-delay Supervisory Circuit

Part No.	VDD	Quiescent Current typ.	Threshold Accuracy typ.	Threshold Voltages	Programmable Delay time	Packages	Operating Temperature	Status
LTP8036-XX	1.65 ~ 6.5 V	0.6 uA	Typ. 0.5%	0.9~5V fixed OR any value above 0.405V	20 ms and 300 ms fixed OR any value from 1.25 ms to 10 s	SOT23-6 and DFN2*2-6	-40~125 ℃	Pre-release



Data Converter Products

APC Analog to PWM Converter

Part No.	Input	Output	PWM Frequency	VDD	PD Max.	Packages	Status
GP9105	0-VCC	0%-100% PWM	50-500 KHz	2.7 ~ 5.5 V	<3mA	SOP8	Active
GP9101	0-VCC	0%-100% PWM	50-500 KHz	4.5 ~ 5.5 V	<3mA	SOP8	Active
GP9301B	0-10V/PWM/100K电阻	0%-100% PWM	50-500 KHz	10 ~ 40 V	<3mA	SOP8	Active
GP9303	0-5V	0%-100% PWM	50-500 KHz	8 ~ 40 V	<3mA	SOP8	Active
GP9305	0-5V	0%-100% HV PWM	50-500 KHz	8 ~ 40 V	<3mA	SOP8	Active
GP9401	/	0%-100% PWM	1-100 KHz	2.7 ~ 5.5 V	<3mA	SOP8	Active
GP9403	/	0%-100% PWM	1-100 KHz	8 ~ 40 V	<3mA	SOP8	Active
GP9406	EN Enable	0%-100% PWM	26 KHz	11 ~ 40 V	<3mA	SOP8	Active

PAC PWM to Analog Converter

Part No.	Input	Output	PWM Frequency	Resolution	VDD	PD Max.	Packages	Status
GP8101	0%-100% PWM	0-5V/0-10V	50-50 KHz	12 bit	9 ~ 36 V	<2 mA	SOP8	Active
GP8101S	0%-100% PWM	0-5V/0-10V	50-50 KHz	12 bit	9 ~ 36 V	<2 mA	ESOP8	Active
GP8102SL	0%-100% PWM	4-20mA	50-50 KHz	12 bit	9 ~ 36 V	<0.8 mA	ESOP8	Active
GP8111S	0%-50% PWM	0-10V	50-50 KHz	12 bit	9 ~ 36 V	<2 mA	ESOP8	Active
GP8112S	0%-50% PWM	4-20mA	50-50 KHz	12 bit	9 ~ 36 V	<2 mA	ESOP8	Active
GP8301	0%-100% PWM	4-20mA	50-50 KHz	12 bit	18 ~ 36 V	<2 mA	ESOP8	Active
GP8311	0%-50% PWM	4-20mA	50-50 KHz	15 bit	18 ~ 36 V	<2 mA	ESOP8	Active
GP8401	0%-100% PWM	0-10V Dual channel	50-50 KHz	12 bit	9 ~ 36 V	<2 mA	ESOP10	Active
GP8500	0%-100% PWM	0-2.5V/0-VCC	50-50 KHz	12 bit	2.7 ~ 5.5 V	<2 mA	SOP8	Active
GP8501	0%-100% PWM	0-2.5V/0-VCC Dual channel	50-50 KHz	12 bit	2.7 ~ 5.5 V	<2 mA	ESOP10	Active
GP8510	0%-50% PWM	0-1.25V/0-VCC/2	50-50 KHz	15 bit	2.7 ~ 5.5 V	<2 mA	SOP8	Active

DPC Digital to PWM Converter

Part No.	Input	Output	PWM	VDD	PD Max.	Packages	Status
GP7101	I2C	0%-100% PWM	1 Hz - 1 MHz	2.7 ~5.5 V	<3mA	SOP8	Active
GP7305	I2C	0%-100% PWM	1 Hz - 1 MHz	10 ~40 V	<3mA	SOP8	Active

DAC Digital to Analog Converter

Part No.	Input	Output	Resolution	VDD	PD Max.	Packages	Application	Status
GP8201S	I2C	0-5V/0-10V	12 bit	9 ~36 V	<2mA	ESOP8	Universal DAC	Active
GP8202SL	I2C	4-20mA	12 bit	9 ~36 V	<0.8mA	SOP8	Universal DAC	Active
GP8202AS	I2C（带地址位）	4-20mA	12 bit	9 ~36 V	<2mA	ESOP10	Universal DAC	Active
GP8302	I2C	4-20mA	12 bit	18 ~36 V	<2mA	ESOP8	Universal DAC	Active
GP8303	I2C（带地址位）	4-20mA	12 bit	18 ~36 V	<2mA	ESOP10	Universal DAC	Active
GP8403	I2C（带地址位）	0-5V/0-10V 双路	12 bit	18 ~36 V	<2mA	ESOP10	Universal DAC	Active
GP8502	I2C	0-2.5V/0-VCC	12 bit	2.7 ~5.5 V	<2mA	SOP8	Universal DAC	Active
GP8503	I2C	0-2.5V/0-VCC 双路	12 bit	2.7 ~5.5 V	<2mA	ESOP10	Universal DAC	Active
GP8211S	I2C	0-5V/0-10V	15 bit	9 ~36 V	<2mA	ESOP8	High precision DAC	Active
GP8212S	I2C	4-20mA	15 bit	9 ~36 V	<2mA	ESOP10	High precision DAC	Active
GP8212AS	I2C（带地址位）	4-20mA	15 bit	9 ~36 V	<2mA	ESOP8	Universal DAC	Active
GP8312	I2C	4-20mA	15 bit	18 ~36 V	<2mA	ESOP8	High precision DAC	Active
GP8313	I2C（带地址位）	4-20mA	15 bit	18 ~36 V	<2mA	ESOP8	High precision DAC	Active
GP8413	I2C（带地址位）	0-5V/0-10V 双路	15 bit	9 ~36 V	<2mA	ESOP10	High precision DAC	Active
GP8512	I2C	0-5V/0-10V	15 bit	2.7 ~5.5 V	<2mA	SOP8	High precision DAC	Active
GP8513	I2C	0-2.5V/0-VCC 双路	15 bit	2.7 ~5.5 V	<2mA	ESOP10	High precision DAC	Active

ADC Analog to Digital Converter

Part No.	CH	Analog Supply	Digital Supply	Resolution	Sample Rate Max	Interface	Architecture	Operating Temperature	Packages	状态 Status
LTD2284	2	5 V / ±2.5 V	1.8 ~ 3.3 V	32 Bits	4000 sps	SPI	Delta-Sigma	-40~125 ℃	QFN4×5-24	Active
LTD2113	1	2.0 ~ 5.5 V	2.0 ~ 5.5 V	16 Bits	860 sps	I^2C	Delta-Sigma	-40~125 ℃	MSOP-10,VSSOP-10	Pre-release
LTD2114	1	2.0 ~ 5.5 V	2.0 ~ 5.5 V	16 Bits	860 sps	I^2C	Delta-Sigma	-40~125 ℃	MSOP-10,VSSOP-10	Pre-release
LTD2115	2	2.0 ~ 5.5 V	2.0 ~ 5.5 V	16 Bits	860 sps	I^2C	Delta-Sigma	-40~125 ℃	MSOP-10,VSSOP-10	Pre-release
LTD2118	2	2.0 ~ 5.5 V	2.0 ~ 5.5 V	16 Bits	860 sps	SPI	Delta-Sigma	-40~125 ℃	MSOP-10,VSSOP-10	Pre-release
LTD2261	5-way differential / 10-way single-ended	5 V / ± 2.5 V	3.3 V / 5.0 V	24 Bits	40 ksps	SPI	Delta-Sigma	-40~125 ℃	QFN5×5-32	Active
LTD2260	3-way differential / 5-way single-ended	5 V / ± 2.5 V	3.3 V / 5.0 V	24 Bits	40 ksps	SPI	Delta-Sigma	-40~125 ℃	QFN5×5-32	Pre-release