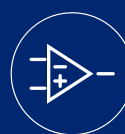


类比半导体产品选型手册

AnalogySemi Product Selection Guide



公司简介

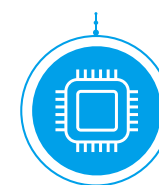
About us



类比半导体是一家模拟及数模混合芯片和解决方案供应商，公司成立于2018年，由一批来自于国际顶尖半导体公司的本土工程师创建。公司总部位于上海，在苏州、深圳、西安、北京分别设有研发和技术支持中心。公司专注于汽车智能驱动、线性产品、数据转换器等领域的芯片设计，产品主要面向工业和汽车等市场。类比致力于为客户提供高品质芯片，为世界科技化和智能化发展提供底层的芯片支持。

AnalogySemi is a supplier of analog and digital-analog mixed chips and solutions. Established in 2018 by a group of local engineers from top international semiconductor companies, the company is headquartered in Shanghai, and has R&D and technical support centers in Suzhou, Shenzhen, Xi'an, and Beijing. The company is dedicated to chip design in the automotive intelligent driver, linear products, and data converters, with products mainly targeting the industrial and automotive markets. AnalogySemi is committed to providing high-quality chips and offering the foundational chip support necessary for the world's technological and intelligent development.

产品定位 Product



汽车智能驱动+
线性产品+数据转换器
Automotive Intelligent Driver +
Linear Products +Data Converters

市场定位 Market



汽车/工业
Auto/Industrial

员工总数 Staff



研发人员比例大于70%
>70% R&D

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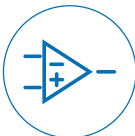
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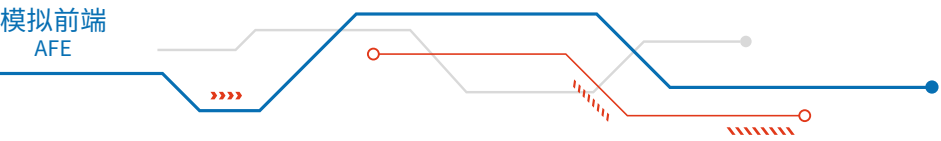
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汽车智能驱动

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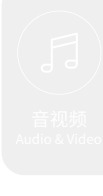
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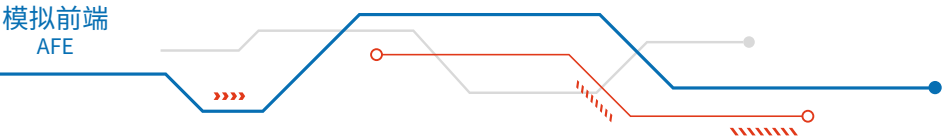


生物医疗 ECG

Bio-Medical ECG

Order Number	CH (#)	Resolution (Bit)	Output Data Rate	Respiration	Analog Pace	AC Lead-Off	Noise 150Hz G= 6 (uVpp)	Power (mW/CH)	Features	OP. Temp (° C)	Package	Rating	Status	Competitor
供货型号	通道	分辨率	数据输出速率	呼吸	模拟起搏器	交流断线检测	噪声	功耗 mW/ 通道	特性	工作温度范围	封装	等级	状态	竞品
ADX923QAQFN32	2	24	125/16k	Y	Y		8.8	0.38/0.31	ERM, HPF, FIFO, CRC&ECC	-40-125	QFN-32	Auto	Production	
ADX923AQFN32	2	24	125/8k	Y	Y	Y	8.6	0.33/0.26	ERM, HPF, FIFO, CRC&ECC	-40-85	QFN-32	Industrial	Production	
ADX922QAQFN32	2	24	125/16k	Y	Y		8.8	0.38/0.31	CRC&ECC	-40-125	QFN-32	Auto	Production	
ADX922AQFN32	2	24	125/8k	Y	Y	Y	8.6	0.33/0.26	CRC&ECC	-40-85	QFN-32	Industrial	Production	ADS1292R
ADX921QAQFN32	2	24	125/16k		Y		8.8	0.38/0.31	CRC&ECC	-40-125	QFN-32	Auto	Production	
ADX921AQFN32	2	24	125/8k		Y	Y	8.6	0.33/0.26	CRC&ECC	-40-85	QFN-32	Industrial	Production	ADS1292
ADX920QAQFN32	1	24	125/8k				8.8	0.38/0.31		-40-125	QFN-32	Auto	Production	
ADX920AQFN32	1	24	125/8k			Y	8.6	0.33/0.26	FIFO, CRC&ECC	-40-85	QFN-32	Industrial	Production	ADS1291
ADX912QAQFN32	2	16	125/16k				12	0.38/0.31	CRC&ECC	-40-125	QFN-32	Auto	Sample	
ADX912AQFN32	2	16	125/8k			Y	12	0.33/0.26		-40-85	QFN-32	Industrial	Production	ADS1192
ADX911QAQFN32	1	16	125/8k				12	0.38/0.31	CRC&ECC	-40-125	QFN-32	Auto	Sample	
ADX911AQFN32	1	16	125/8k				12	0.33/0.26		-40-85	QFN-32	Industrial	Production	ADS1191
AFE944AQFP64	4	24	250/32k	N	Y	Y	4.9	0.75/0.65	WCT, DAC	-40-85	QFP64	Industrial	Production	ADS1294, ADAS1000-3
AFE946AQFP64	6	24	250/32k	N	Y	Y	4.9	0.75/0.65	WCT, DAC	-40-85	QFP64	Industrial	Production	ADS1296, ADAS1000-2, ADAS1000-1
AFE948AQFP64	8	24	250/32k	N	Y	Y	4.9	0.75/0.65	WCT, DAC	-40-85	QFP64	Industrial	Production	ADS1298
AFE949AQFP64	8	24	125/64k	N	Y	Y	4.9	0.85/0.75/0.65/0.55	WCT, DAC	-40-85	QFP64	Industrial	Production	
AFE944ABGA64	4	24	250/32k	N	Y	Y	4.9	0.75/0.65	WCT, DAC	-40-85	BGA64	Industrial	Production	ADS1294, ADAS1000-3
AFE946ABGA64	6	24	250/32k	N	Y	Y	4.9	0.75/0.65	WCT, DAC	-40-85	BGA64	Industrial	Production	ADS1296, ADAS1000-2, ADAS1000-1
AFE948ABGA64	8	24	250/32k	N	Y	Y	4.9	0.75/0.65	WCT, DAC	-40-85	BGA64	Industrial	Production	ADS1298
AFE949ABGA64	8	24	125/64k	N	Y	Y	4.9	0.85/0.75/0.65/0.55	WCT, DAC	-40-85	BGA64	Industrial	Production	
AFE954ABGA64	4	24	250/32k	Y	Y	Y	4.9	0.78/0.68	RESP, WCT, DAC	-40-85	BGA64	Industrial	Production	ADS1294R, ADAS1000-4
AFE956ABGA64	6	24	250/32k	Y	Y	Y	4.9	0.78/0.68	RESP, WCT, DAC	-40-85	BGA64	Industrial	Production	ADS1296R, ADAS1000





生物医疗 ECG

Bio-Medical ECG

Order Number	CH (#)	Resolution (Bit)	Output Data Rate	Respiration	Analog Pace	AC Lead-Off	Noise 150Hz G= 6 (uVpp)	Power (mW/CH)	Features	OP. Temp (° C)	Package	Rating	Status	Competitor
供货型号	通道	分辨率	数据输出速率	呼吸	模拟起搏器	交流断线检测	噪声	功耗 mW/ 通道	特性	工作温度范围	封装	等级	状态	竞品
AFE958ABGA64	8	24	250/32k	Y	Y	Y	4.9	0.78/0.68	RESP, WCT, DAC	-40-85	BGA64	Industrial	Production	ADS1298R
AFE959ABGA64	8	24	125/64k	Y	Y	Y	4.9	0.88/0.78/0.68/0.58	RESP, WCT, DAC	-40-85	BGA64	Industrial	Sample	
AFE964AQFP64	4	24	125/32k	N	N	Y	1.6	4.5/3/1	DAC	-40-85	QFP64	Industrial	Production	ADS1299-4
AFE966AQFP64	6	24	125/32k	N	N	Y	1.6	4.5/3/1	DAC	-40-85	QFP64	Industrial	Production	ADS1299-6
AFE968AQFP64	8	24	125/32k	N	N	Y	1.6	4.5/3/1	DAC	-40-85	QFP64	Industrial	Production	ADS1299
AFE964ABGA64	4	24	125/32k	N	N	Y	1.6	4.5/3/1	DAC	-40-85	BGA64	Industrial	Production	ADS1299-4
AFE966ABGA64	6	24	125/32k	N	N	Y	1.6	4.5/3/1	DAC	-40-85	BGA64	Industrial	Production	ADS1299-6
AFE968ABGA64	8	24	125/32k	N	N	Y	1.6	4.5/3/1	DAC	-40-85	BGA64	Industrial	Production	ADS1299
AFE914AQFP64	4	16	125/8k	N	Y	N	12	0.55/0.50	WCT	-40-85	QFP64	Industrial	Production	ADS1194
AFE916AQFP64	6	16	125/8k	N	Y	N	12	0.55/0.50	WCT	-40-85	QFP64	Industrial	Production	ADS1196
AFE918AQFP64	8	16	125/8k	N	Y	N	12	0.55/0.50	WCT	-40-85	QFP64	Industrial	Production	ADS1198 ADS130E08
AFE914ABGA64	4	16	125/8k	N	Y	N	12	0.55/0.50	WCT	-40-85	BGA64	Industrial	Production	ADS1194
AFE916ABGA64	6	16	125/8k	N	Y	N	12	0.55/0.50	WCT	-40-85	BGA64	Industrial	Production	ADS1196
AFE918ABGA64	8	16	125/8k	N	Y	N	12	0.55/0.50	WCT	-40-85	BGA64	Industrial	Production	ADS1198 ADS130E08
AFE934ABGA64	4	24	125/8k	N	Y	N	8	0.58/0.53	RESP,WCT, DAC	-40-85	BGA64	Industrial	Sample	ADS1292R x 2
AFE936ABGA64	6	24	125/8k	N	Y	N	8	0.58/0.53	RESP,WCT, DAC	-40-85	BGA64	Industrial	Sample	ADS1292R x 3
AFE938ABGA64	8	24	125/8k	N	Y	N	8	0.58/0.53	RESP,WCT, DAC	-40-85	BGA64	Industrial	Sample	ADS1292R x 4
AFE924AQFP64	4	24	125/8k	N	Y	N	8	0.55/0.50	WCT, DAC	-40-85	QFP64	Industrial	Production	ADS1292 x 2
AFE926AQFP64	6	24	125/8k	N	Y	N	8	0.55/0.50	WCT, DAC	-40-85	QFP64	Industrial	Production	ADS1292 x 3
AFE928AQFP64	8	24	125/8k	N	Y	N	8	0.55/0.50	WCT, DAC	-40-85	QFP64	Industrial	Production	ADS1292 x 4
AFE924ABGA64	4	24	125/8k	N	Y	N	8	0.55/0.50	WCT, DAC	-40-85	BGA64	Industrial	Production	ADS1292 x 2
AFE926ABGA64	6	24	125/8k	N	Y	N	8	0.55/0.50	WCT, DAC	-40-85	BGA64	Industrial	Production	ADS1292 x 3
AFE928ABGA64	8	24	125/8k	N	Y	N	8	0.55/0.50	WCT, DAC	-40-85	BGA64	Industrial	Production	ADS1292 x 4

"Sample*": Special status and different from normal "Sample" status. For more information about devices with this status, contact our sales team by mailing to sales@analogysemi.com.

模拟前端
AFE

数据转换器
Data Converters

线性产品
Linear Products

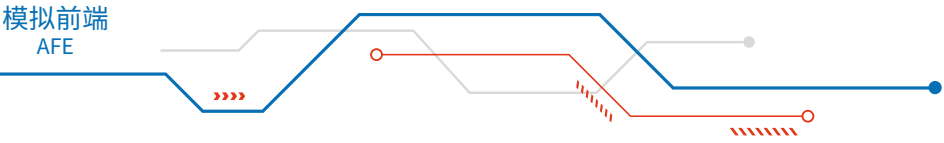
汽车智能
驱动
Auto Smart Control

电源管理
Power
Management

接口与隔离
Interface
and Isolation

微控制器
MCU/DSP

音视频
Audio & Video

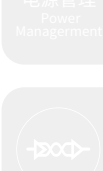
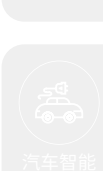


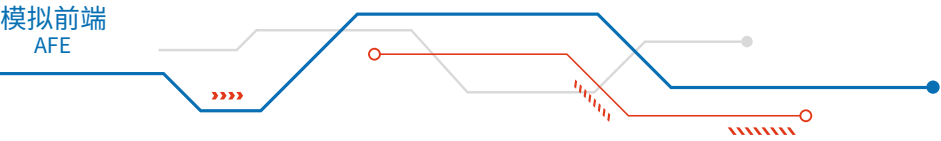
生物医疗 ECG

Bio-Medical ECG

Order Number	CH (#)	Resolution (Bit)	Output Data Rate	Respiration	Analog Pace	AC Lead-Off	Noise 150Hz G= 6 (uVpp)	Power (mW/CH)	Features	OP. Temp (° C)	Package	Rating	Status	Competitor
供货型号	通道	分辨率	数据输出速率	呼吸	模拟起搏器	交流断线检测	噪声	功耗 mW/ 通道	特性	工作温度范围	封装	等级	状态	竞品
AFE904AQFP64	4	24	62.5/8k	N	Y	N	9	0.33/0.29	WCT	-40-85	QFP64	Industrial	Sample	ADS1293 x1
AFE906AQFP64	6	24	62.5/8k	N	Y	N	9	0.33/0.29	WCT	-40-85	QFP64	Industrial	Sample	ADS1293 x2
AFE908AQFP64	8	24	62.5/8k	N	Y	N	9	0.33/0.29	WCT	-40-85	QFP64	Industrial	Sample	ADS1293 x3
AFE904ABGA64	4	24	62.5/8k	N	Y	N	9	0.33/0.29	WCT	-40-85	BGA64	Industrial	Sample	ADS1293 x1
AFE906ABGA64	6	24	62.5/8k	N	Y	N	9	0.33/0.29	WCT	-40-85	BGA64	Industrial	Sample	ADS1293 x2
AFE908ABGA64	8	24	62.5/8k	N	Y	N	9	0.33/0.29	WCT	-40-85	BGA64	Industrial	Sample	ADS1293 x3

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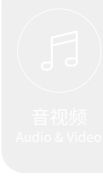


模拟监测控制 AMC

Analog Monitoring and Control (AMC)

Order Number	DAC CH (#)	DAC Resolution (Bit)	DAC Range (V)	ADC CH (#)	ADC Resolution (Bit)	ADC Range (V)	SampleRate (SPS)	INL(Typ) (LSB)	Temp. Senor	Interface	GPIO	OP. Temp (°C)	Rating	Package	Status	Competitor
供货型号	DAC通道	分辨率	DAC输出量程	ADC通道	ADC分辨率	ADC输入量程	采样速率	积分非线性	温度传感器	接口	通用输入输出	工作温度范围	等级	封装	状态	竞品
LB2032BQFP48	32	12	-10, -5, 5, 10	6	12	5, 2.5	500K	0.5	Yes	3-Wire SPI	6	-40-150	Industrial	QFP-48	Production	AMC7932, TPAFE0534
LB2032SQFP48	32	12	-10, -5, 5, 10	5	12	5, 2.5	500K	0.5	Yes	4-Wire SPI	5	-40-150	Industrial	QFP-48	Production	AMC7932, TPAFE0534
LB2048CQFP64	48	12	-10, -5, 5, 10	6	12	5, 2.5	500K	0.5	Yes	3-Wire SPI	6	-40-150	Industrial	QFP-64	Sample	AMC7948
LB2048RQFP64	48	12	-10, -5, 5, 10	5	12	5, 2.5	500K	0.5	Yes	4-Wire SPI	5	-40-150	Industrial	QFP-64	Sample	AMC7948

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Sigma-Delta ADC

Order Number	CH (#)	Resolution (Bit)	Output Data Rate	Interface	PGA	Temp. Senor	Features	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	分辨率	数据输出速率	接口	程控增益	温度传感器	特性	工作温度范围	等级	封装	状态	竞品
ADX101AMSOP10	2(4)	12	3300	I2C	8/4/2/1/0.5/0.33	No		-40-125	Industrial	MSOP10	Sample	ADS1015
ADX101AQFN10	2(4)	12	3300	I2C	8/4/2/1/0.5/0.33	No		-40-125	Industrial	QFN10	Sample*	ADS1015
ADX101QAMSOP10	2(4)	12	3300	I2C	8/4/2/1/0.5/0.33	No		-40-125	Auto	MSOP10	Sample	ADS1015Q
ADX102AMSOP10	2(4)	12	3300	SPI	8/4/2/1/0.5/0.33	Yes		-40-125	Industrial	MSOP10	Sample	ADS1018
ADX102AQFN10	2(4)	12	3300	SPI	8/4/2/1/0.5/0.33	Yes		-40-125	Industrial	QFN10	Sample*	ADS1018
ADX102QAMSOP10	2(4)	12	3300	SPI	8/4/2/1/0.5/0.33	Yes		-40-125	Auto	MSOP10	Sample	ADS1018
ADX105QAMSOP10	1	12	3300	I2C	8/4/2/1/0.5/0.33	No		-40-125	Auto	MSOP10	Sample	ADS1014Q
ADX105AMSOP10	1	12	3300	I2C	8/4/2/1/0.5/0.33	No		-40-125	Industrial	MSOP10	Sample	ADS1014
ADX105AQFN10	1	12	3300	I2C	8/4/2/1/0.5/0.33	No		-40-125	Industrial	QFN10	Sample*	ADS1014
ADX107AMSOP10	1	12	3300	I2C	1	No		-40-125	Industrial	MSOP10	Sample	ADS1013
ADX107AQFN10	1	12	3300	I2C	1	No		-40-125	Industrial	QFN10	Sample*	ADS1013
ADX107QAMSOP10	1	12	3300	I2C	1	No		-40-125	Auto	MSOP10	Sample	ADS1013Q
ADX111AMSOP10	2(4)	16	860	I²C	8/4/2/1/0.5/0.33	No		-40-125	Industrial	MSOP-10	Production	ADS1115, SGM58031
ADX111QAMSOP10	2(4)	16	860	I²C	8/4/2/1/0.5/0.33	No		-40-125	Auto	MSOP-10	Production	ADS1115, SGM58032
ADX111AQFN10	2(4)	16	860	I²C	8/4/2/1/0.5/0.33	No		-40-125	Industrial	QFN-10	Production	ADS1115, SGM58033
ADX112AMSOP10	2(4)	16	860	SPI	8/4/2/1/0.5/0.33	Yes		-40-125	Industrial	MSOP-10	Production	ADS1118
ADX112QAMSOP10	2(4)	16	860	SPI	8/4/2/1/0.5/0.33	Yes		-40-125	Auto	MSOP-10	Production	ADS1118
ADX112AQFN10	2(4)	16	860	SPI	8/4/2/1/0.5/0.33	Yes		-40-125	Industrial	QFN-10	Production	ADS1118
ADX113AMSOP10	2(4)	16	860	I²C	8/4/2/1/0.5/0.33	No	50/60 Rejection	-40-125	Industrial	MSOP-10	Production	
ADX114AMSOP10	2(4)	16	3571	SPI	8/4/2/1/0.5/0.33	Yes	50/60 Rejection	-40-125	Industrial	MSOP-10	Production	
ADX115AMSOP10	1	16	860	I2C	8/4/2/1/0.5/0.33	No		-40-125	Industrial	MSOP10	Sample	ADS1114
ADX115AQFN10	1	16	860	I2C	8/4/2/1/0.5/0.33	No		-40-125	Industrial	QFN10	Sample*	ADS1114

Sigma-Delta ADC

Order Number	CH (#)	Resolution (Bit)	Output Data Rate	Interface	PGA	Temp. Senor	Features	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	分辨率	数据输出速率	接口	程控增益	温度传感器	特性	工作温度范围	等级	封装	状态	竞品
ADX117AMSOP10	1	16	860	I2C	1	No		-40-125	Industrial	MSOP10	Sample	ADS1113
ADX117AQFN10	1	16	860	I2C	1	No		-40-125	Industrial	QFN10	Sample*	ADS1113
ADX121AMSOP10	2(4)	20	3571	I²C	8/4/2/1/0.5/0.33	No	50/60 Rejection	-40-125	Industrial	MSOP-10	Production	
ADX121AQFN10	2(4)	20	3571	I²C	8/4/2/1/0.5/0.33	No	50/60 Rejection	-40-125	Industrial	QFN-10	Sample	
ADX122AMSOP10	2(4)	20	3571	SPI	8/4/2/1/0.5/0.33	No	50/60 Rejection	-40-125	Industrial	MSOP-10	Production	ADS1230
ADX122QAMSOP10	2(4)	20	3571	SPI	8/4/2/1/0.5/0.33	No	50/60 Rejection	-40-125	Auto	MSOP-10	Production	ADS1230
ADX122AQFN10	2(4)	20	3571	SPI	8/4/2/1/0.5/0.33	No	50/60 Rejection	-40-125	Industrial	QFN-10	Sample	AD7781
ADX128AMSOP10	2(4)	20	7143	SPI	8/4/2/1/0.5/0.33	No	50/60 Rejection	-40-125	Industrial	MSOP-10	Sample*	AD7703
ADX128AQFN10	2(4)	20	7143	SPI	8/4/2/1/0.5/0.33	No	50/60 Rejection	-40-125	Industrial	QFN-10	Sample*	MAX11205/6/7/8/9
ADX125AMSOP10	2(4)	20	3571	I²C	8/4/2/1/0.5/0.33	Yes	50/60 Rejection	-40-125	Industrial	MSOP-10	Production	
ADX126AMSOP10	2(4)	20	3571	SPI	8/4/2/1/0.5/0.33	Yes	50/60 Rejection	-40-125	Industrial	MSOP-10	Production	AD7785
ADX125AQFN10	2(4)	20	3571	I²C	8/4/2/1/0.5/0.33	Yes	50/60 Rejection	-40-125	Industrial	QFN-10	Sample*	
ADX126AQFN10	2(4)	20	3571	SPI	8/4/2/1/0.5/0.33	Yes	50/60 Rejection	-40-125	Industrial	QFN-10	Sample*	
ADX131AQFN10	2(4)	20	440	I²C	8/4/2/1/0.5/0.33	No	50/60 Rejection	-40-125	Industrial	QFN-10	Sample	
ADX132AQFN10	2(4)	20	440	SPI	8/4/2/1/0.5/0.33	No	50/60 Rejection	-40-125	Industrial	QFN-10	Sample	
ADX123AMSOP10	2(4)	20	3571	Daisy Chain	8/4/2/1/0.5/0.33	Yes	50/60 Rejection	-40-125	Industrial	MSOP-10	Sample*	

模拟前端
AFE

数据转换器
Data Converters

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Linear Products

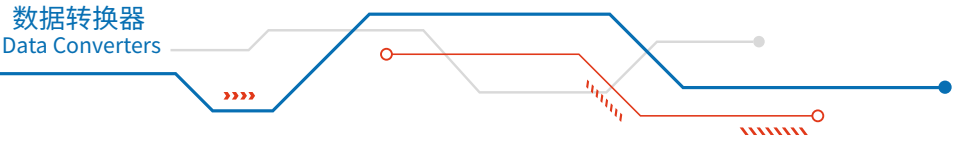
汽车智能驱动
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音视频
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Sigma-Delta ADC

Order Number	CH (#)	Resolution (Bit)	Output Data Rate	Interface	PGA	Temp. Senor	Features	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	分辨率	数据输出速率	接口	可编程增益放大器	温度传感器	特性	工作温度范围	等级	封装	状态	竞品
ADX512AQFN20	3(6)	24	30k	SPI	1/2/4/8/16/32/64	Yes		-40-125	Industrial	QFN-20	Sample*	
ADX513AQFN20	3(5)	24	30k	SPI	1/2/4/8/16/32/64	Yes		-40-125	Industrial	QFN-20	Sample*	
ADX514ASOP20	4(4)	24	20k	SPI	1	No		-40-85	Industrial	SOP-20	Production	
ADX515ASOP20	1(2)	24	60k	SPI	1/2/4/8/16/32/64/128	Yes	50/60 Rejection	-40-125	Industrial	SOP-20	Production	ADS1255, SG58600SOP
ADX516ASOP28	4(8)	24	60k	SPI	1/2/4/8/16/32/64/128	Yes	50/60 Rejection	-40-125	Industrial	SOP-28	Production	ADS1256, SG58601SOP
ADX517AQFN20	2(4)	24	60k	SPI	1/2/4/8/16/32/64/128	Yes	50/60 Rejection	-40-125	Industrial	QFN-20	Sample	ADS1257, SG58602QFN
ADX518ASOP20	4(4)	24	20k	SPI	1	No		-40-85	Industrial	SOP-20	Sample	ADS1254E
ADX520AQFN28	4(8)	24	60k	SPI	1/2/4/8/16/32/64	No		-40-125	Industrial	QFN-28	Sample*	SG58601, SG58601QFN
ADX521AQFN20	2(4)	24	30k	SPI	1/2/4/8/16/32/64	Yes	50/60 Rejection	-40-125	Industrial	QFN-20	Sample*	SG58600QFN
ADX522AQFN20	2(4)	24	30k	SPI	1/2/4/8/16/32/64	Yes	50/60 Rejection	-40-125	Industrial	QFN-20	Sample*	
ADX523AQFN28	4(8)	24	30k	SPI	1/2/4/8/16/32/64	Yes	50/60 Rejection	-40-125	Industrial	QFN-28	Sample*	
ADX524AQFN20	2(4)	24	60k	SPI	1/2/4/8/16/32/64	Yes	50/60 Rejection	-40-125	Industrial	QFN-20	Sample*	
ADX525AQFN28	4(8)	24	60k	SPI	1/2/4/8/16/32/64	Yes	50/60 Rejection	-40-125	Industrial	QFN-28	Sample*	
ADX3202QAQFN32	2	24	16k	SPI	1/2/3/4/5/6/8/12	Yes	Synchronous sampling	-40-125	Auto	QFN-32	Production	
ADX3202AQFN32	2	24	16k	SPI	1/2/3/4/5/6/8/12	Yes	Synchronous sampling	-40-85	Industrial	QFN-32	Production	
ADX320QAQFN32	1	24	16k	SPI	1/2/3/4/5/6/8/12	Yes	Synchronous sampling	-40-125	Auto	QFN-32	Production	
ADX320AQFN32	1	24	16k	SPI	1/2/3/4/5/6/8/12	Yes	Synchronous sampling	-40-85	Industrial	QFN-32	Production	
ADX3102QAQFN32	2	16	16k	SPI	1/2/3/4/5/6/8/12	Yes	Synchronous sampling	-40-125	Auto	QFN-32	Sample*	
ADX3102AQFN32	2	16	16k	SPI	1/2/3/4/5/6/8/12	Yes	Synchronous sampling	-40-85	Industrial	QFN-32	Sample*	
ADX310QAQFN32	1	16	16k	SPI	1/2/3/4/5/6/8/12	Yes	Synchronous sampling	-40-125	Auto	QFN-32	Sample*	
ADX310AQFN32	1	16	16k	SPI	1/2/3/4/5/6/8/12	Yes	Synchronous sampling	-40-85	Industrial	QFN-32	Sample*	

模拟前端
Analog Front End (AFE)

数据转换器
Data Converters

线性产品
Linear Products

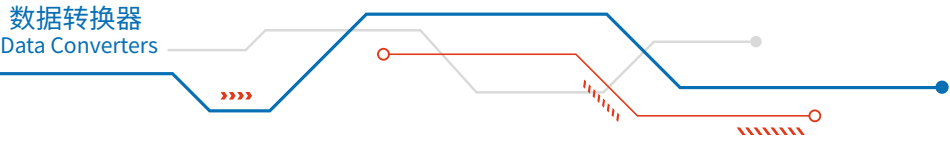
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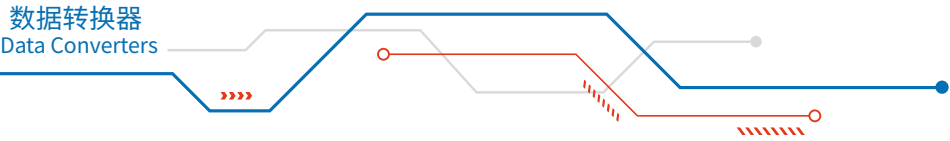
音视频
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Sigma-Delta ADC

Order Number	CH (#)	Resolution (Bit)	Output Data Rate	Interface	PGA	Temp. Senor	Features	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	分辨率	数据输出速率	接口	可编程增益放大器	温度传感器	特性	工作温度范围	等级	封装	状态	竞品
ADX3204AQFP64	4	24	125/8k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	QFP-64	Sample	
ADX3206AQFP64	6	24	125/8k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	QFP-64	Sample	
ADX3208AQFP64	8	24	125/8k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	QFP-64	Sample	
ADX3204ABGA64	4	24	125/8k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	BGA-64	Sample	
ADX3206ABGA64	6	24	125/8k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	BGA-64	Sample	
ADX3208ABGA64	8	24	125/8k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	BGA-64	Sample	
ADX3214AQFP64	4	24	1k/64k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	QFP-64	Sample	
ADX3216AQFP64	6	24	1k/64k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	QFP-64	Sample	
ADX3218AQFP64	8	24	1k/64k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	QFP-64	Sample	
ADX3214ABGA64	4	24	1k/64k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	BGA-64	Sample	
ADX3216ABGA64	6	24	1k/64k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	BGA-64	Sample	
ADX3218ABGA64	8	24	1k/64k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	BGA-64	Sample	
ADX3224AQFP64	4	24	1k/64k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	QFP-64	Production	ADS131E04
ADX3226AQFP64	6	24	1k/64k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	QFP-64	Production	ADS131E06
ADX3228AQFP64	8	24	1k/64k	SPI	1/2/4/8/12/24	Yes	Synchronous sampling	-40-125	Industrial	QFP-64	Production	ADS131E08



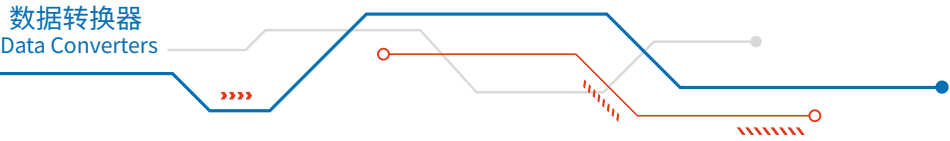


Sigma-Delta ADC

Order Number	CH (#)	Resolution (Bit)	Output Data Rate	Interface	PGA	Temp. Senor	Features	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	分辨率	数据输出速率	接口	可编程增益放大器	温度传感器	特性	工作温度范围	等级	封装	状态	竞品
ADX820AQFN24	2	32	125	SPI	1/2/4/8/16/32/64	Yes	ALLCOM	-40-125	Industrial	QFN-24	Sample	
ADX821ATSOP24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes		-40-125	Industrial	TSSOP-24	Sample*	ADS1281
ADX822ATSOP28	2	32	4000	SPI	1/2/4/8/16/32/64	Yes		-40-125	Industrial	TSSOP-28	Production	ADS1282
ADX823AQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes		-50-125	Industrial	QFN-24	Sample*	ADS1283
ADX824AQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes		-50-125	Industrial	QFN-24	Production	ADS1284
ADX825AQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes	ALLCOM	-40-85	Industrial	QFN-24	Sample*	
ADX826AQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes	ALLCOM	-40-85	Industrial	QFN-24	Production	
ADX827AQFN24	1	32	4000	SPI	1/2/4/8/16/32/64	Yes		-50-125	Industrial	QFN-24	Sample	ADS1287
ADX828AQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes	ALLCOM	-40-85	Industrial	QFN-24	Sample*	
ADX829AQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes	ALLCOM	-40-85	Industrial	QFN-24	Production	
ADX823QAQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes		-50-125	Auto	QFN-24	Sample*	ADS1283
ADX824QAQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes		-50-125	Auto	QFN-24	Sample*	ADS1284
ADX825QAQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes	ALLCOM	-50-125	Auto	QFN-24	Sample*	
ADX826QAQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes	ALLCOM	-50-125	Auto	QFN-24	Sample*	
ADX827QAQFN24	1	32	4000	SPI	1/2/4/8/16/32/64	Yes		-50-125	Auto	QFN-24	Sample*	ADS1287
ADX828QAQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes	ALLCOM	-50-125	Auto	QFN-24	Sample*	
ADX829QAQFN24	2	32	4000	SPI	1/2/4/8/16/32/64	Yes	ALLCOM	-50-125	Auto	QFN-24	Sample	

"Sample*": Special status and different from normal "Sample" status. For more information about devices with this status, contact our sales team by mailing to sales@analogyssemi.com.





SAR ADC

Order Number	CH (#)	Resolution (Bit)	Output Data Rate	Interface	PGA	Sample Mode	Features	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	分辨率	数据输出速率	接口	程控增益	采样模式	特性	工作温度范围	等级	封装	状态	竞品
ADY2008AQFP64	8	16	200K	SPI or parallel	0.5/1	Synchronous	±10V input range	-40-85	Industrial	QFP64	Sample	AD7606

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模拟前端
AFE



数据转换器
Data Converters



线性产品
Linear Products



汽车智能驱动
Auto Smart Drive



电源管理
Power Management



接口与隔离
Interface and Isolation



微控制器
MCU/DSP



音视频
Audio & Video

线性产品 Linear Products

放大器 Amplifier

- 低功耗放大器
Low-Power Amplifier
- 零温漂放大器
Zero-Drift Amplifier
- 精密放大器
Precision Amplifier
- 低偏置电流放大器
Low Bias Current Amplifier
- 仪表放大器
Instrumentation Amplifier
- 电流采样放大器
Current Sense Amplifier
- 电流功率监视器
Current Power Monitor
- 特殊放大器
Special Amplifier

电平转换 Level Shift

参考 Reference

比较器 Comparator

开关 Switch



模拟前端
AFE



数据转换器
Data Converters



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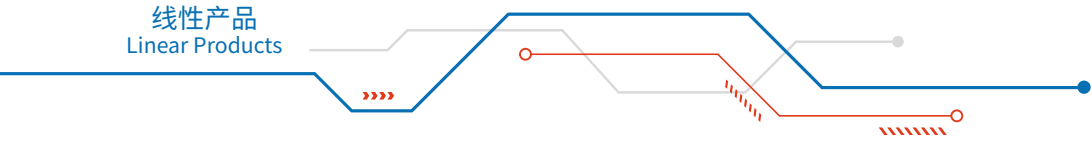
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微控制器
MCU/DSP



音视频
Audio & Video



放大器
Amplifier

低功耗放大器
Low-Power Amplifier

Order Number	CH (#)	IQ/CH (Typ) (μA)	Input Bias (Typ) (pA)	VOS (Max) (μV)	VOS Drift (Typ) (μV/° C)	VCC (V)	GBW (MHz)	Slew Rate (Typ) (V/μs)	Vn (Typ) (nV/rtHz)	Rail-to-Rail	Features	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	静态电流 / 通道	输入偏置电流	失调电压	失调电压漂移	供电电压	带宽	压摆率	噪声谱密度	轨到轨	特性	工作温度范围	等级	封装	状态	竞品
OPA501BSOT235	1	0.24	0.1	2200	3.5	1.6-5.5	0.004	0.0013	347	IN/OUT		-40-125	Industrial	SOT23-5	Production	LPV801, TP2111
OPA503ASOT235	1	0.57	0.1	210	1.2	1.6-5.5	0.011	0.003	214	IN/OUT		-40-125	Industrial	SOT23-5	Production	LPV811, LPV821
OPA505ASOT235	1	3.2	0.1	260	1	1.6-5.5	0.065	0.02	100	IN/OUT		-40-125	Industrial	SOT23-5	Production	MAX40023
OPA501BSOIC8	1	0.24	0.1	2200	3.5	1.6-5.5	0.004	0.0013	347	IN/OUT		-40-125	Industrial	SOIC-8	Sample*	
OPA503ASOIC8	1	0.57	0.1	210	1.2	1.6-5.5	0.011	0.003	214	IN/OUT		-40-125	Industrial	SOIC-8	Sample*	
OPA504ASOIC8	1	0.57	0.1	210	1.2	1.6-5.5	0.011	0.003	214	IN/OUT	Power-Down	-40-125	Industrial	SOIC-8	Sample*	
OPA505ASOIC8	1	3.2	0.1	260	1	1.6-5.5	0.065	0.02	100	IN/OUT		-40-125	Industrial	SOIC-8	Sample*	
OPA506ASOIC8	1	3.2	0.1	260	1	1.6-5.5	0.065	0.02	100	IN/OUT	Power-Down	-40-125	Industrial	SOIC-8	Sample*	
OPA501BMSOP8	1	0.24	0.1	2200	3.5	1.6-5.5	0.004	0.0013	347	IN/OUT		-40-125	Industrial	MSOP-8	Sample*	
OPA503AMSOP8	1	0.57	0.1	210	1.2	1.6-5.5	0.011	0.003	214	IN/OUT		-40-125	Industrial	MSOP-8	Sample*	
OPA504AMSOP8	1	0.57	0.1	210	1.2	1.6-5.5	0.011	0.003	214	IN/OUT	Power-Down	-40-125	Industrial	MSOP-8	Sample*	
OPA505AMSOP8	1	3.2	0.1	260	1	1.6-5.5	0.065	0.02	100	IN/OUT		-40-125	Industrial	MSOP-8	Sample*	
OPA506AMSOP8	1	3.2	0.1	260	1	1.6-5.5	0.065	0.02	100	IN/OUT	Power-Down	-40-125	Industrial	MSOP-8	Sample*	
OPA5012BSOIC8	2	0.24	0.1	2200	3.5	1.6-5.5	0.004	0.0013	347	IN/OUT		-40-125	Industrial	SOIC-8	Sample*	
OPA5032ASOIC8	2	0.57	0.1	210	1.2	1.6-5.5	0.011	0.003	214	IN/OUT		-40-125	Industrial	SOIC-8	Sample*	
OPA5052ASOIC8	2	3.2	0.1	260	1	1.6-5.5	0.065	0.02	100	IN/OUT		-40-125	Industrial	SOIC-8	Sample*	
OPL5032ASOIC8	2	0.57	0.1	2000	1.2	1.6-5.5	0.011	0.003	214	IN/OUT		-40-125	Industrial	SOIC-8	Sample*	
OPL5052ASOIC8	2	3.2	0.1	2000	1	1.6-5.5	0.065	0.02	100	IN/OUT		-40-125	Industrial	SOIC-8	Sample*	

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数据转换器
Data Converters

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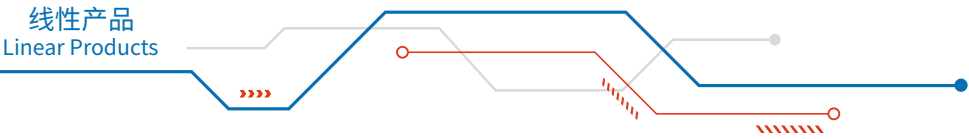
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放大器
Amplifier

低功耗放大器
Low-Power Amplifier

Order Number	CH (#)	IQ/CH (Typ) (μA)	Input Bias (Typ) (pA)	VOS (Max) (μV)	VOS Drift (Typ) (μV/° C)	VCC (V)	GBW (MHz)	Slew Rate (Typ) (V/μs)	Vn (Typ) (nV/rtHz)	Rail-to-Rail	Features	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	静态电流 / 通道	输入偏置电流	失调电压	失调电压漂移	供电电压	带宽	压摆率	噪声谱密度	轨到轨	特性	工作温度范围	等级	封装	状态	竞品
OPL321ASOT235	1	80	10	3000	1	1.7-5.5	1	1	39	IN/OUT		-40-125	Industrial	SOT235	Sample*	
OPL321ASC70	1	80	10	3000	1	1.7-5.5	1	1	39	IN/OUT		-40-125	Industrial	SC70	Sample*	
OPL358ASOIC8	2	65	10	3000	1	1.7-5.5	1	1	39	IN/OUT		-40-125	Industrial	SOIC8	Sample	
OPL358AMSOP8	2	65	10	3000	1	1.7-5.5	1	1	39	IN/OUT		-40-125	Industrial	MSOP8	Sample*	
OPL324ASOIC14	4	65	10	3000	1	1.7-5.5	1	1	39	IN/OUT		-40-125	Industrial	SOIC14	Sample	
OPL324ATSOP14	4	65	10	3000	1	1.7-5.5	1	1	39	IN/OUT		-40-125	Industrial	TSOP14	Sample*	

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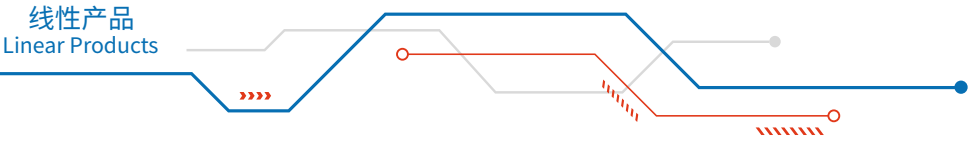
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Audio & Video



放大器
Amplifier

零温漂放大器
Zero-Drift Amplifier

Order Number	CH (#)	EN Pin	V _{OS} (Max) (μV)	V _{OS} Drift (Typ) (μV/°C)	V _{CC} (V)	I _Q /CH (Typ)(μA)	GBW (kHz)	Slew Rate (Typ) (V/us)	Noise (Typ) (nV/rtHz)	Rail-to-Rail	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	使能管脚	偏移电压	温漂	供电电压	静态电流	带宽	压摆率	噪声谱密度	轨到轨	工作温度范围	等级	封装	状态	竞品
OPZ2022BSOIC8	2	No	±10	±0.03	4.5-40	300	1000	2.8	17.6	OUT	-40-125	Industrial	SOIC-8	Production	MS8228
OPZ302BSOT235	1	No	±10	±0.03	4.5-40	600	2200	3.8	11.6	OUT	-40-125	Industrial	SOT23-5	Production	OPA188, SGM8251, TPA1861
OPZ302BSOIC8	1	No	±10	±0.03	4.5-40	600	2200	3.8	11.6	OUT	-40-125	Industrial	SOIC-8	Production	OPA188, SGM8251, TPA1861
OPZ3022BSOIC8	2	No	±10	±0.03	4.5-40	600	2200	3.8	11.6	OUT	-40-125	Industrial	SOIC-8	Production	OPA2188,SGM8252, TPA1862
OPZ501ASOT235	1	No	±10	±0.03	1.7-5.5	0.68	15	0.003	213	IN/OUT	-40-125	Industrial	SOT23-5	Production	LPV821, LTC2063
OPZ502ASOT236	1	Yes	±10	±0.03	1.7-5.5	0.68	15	0.003	213	IN/OUT	-40-125	Industrial	SOT23-6	Production	LPV821
OPZ503ASOT235	1	No	±10	±0.03	1.7-5.5	3.9	83	0.03	93	IN/OUT	-40-125	Industrial	SOT23-5	Production	LPV821, MCP6V11, SGM8954
OPZ504ASOT236	1	Yes	±10	±0.03	1.7-5.5	3.9	83	0.03	93	IN/OUT	-40-125	Industrial	SOT23-6	Production	LPV821

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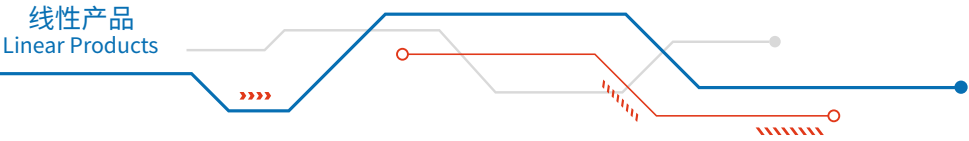
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放大器
Amplifier

精密放大器
Precision Amplifier

Order Number	CH (#)	V _{OS} (Max) (μV)	V _{OS} Drift (Typ) (μV/°C)	V _{CC} (V)	I _Q /CH (Typ)(μA)	GBW (kHz)	Slew Rate (Typ) (V/us)	Noise (Typ) (nV/rtHz)	Rail-to-Rail	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	偏移电压	温漂	供电电压	静态电流	带宽	压摆率	噪声谱密度	轨到轨	工作温度范围	等级	封装	状态	竞品
OPA305ASOT235	1	±100	±4	2.7-36	550	2500	1.6	17	IN/OUT	-40-125	Industrial	SOT23-5	Production	OPA171, TLV171, TP2261, SGM8291
OPA3052ASOIC8	2	±100	±4	2.7-36	550	2500	1.6	17	IN/OUT	-40-125	Industrial	SOIC-8	Production	OPA2171, TLV2171, TPA2262, SGM8292
OPA3052AMSOP8	2	±100	±4	2.7-36	550	2500	1.6	17	IN/OUT	-40-125	Industrial	MSOP-8	Production	OPA2171, TPA2262, SGM8292, TLV2171
OPA201ASOT235	1	±100	±4	2.7-36	300	1000	0.8	20	IN/OUT	-40-125	Industrial	SOT23-5	Sample*	TLV07
OPA202ASOT235	1	±100	±4	2.7-36	350	1500	1.1	21	IN/OUT	-40-125	Industrial	SOT23-5	Sample*	TPA2641
OPA101ASOIC8	1	±100	±4	2.7-36	125	300	0.5	24	IN/OUT	-40-125	Industrial	SOIC-8	Sample*	OPA170, TLV170, TPA2642
OPA101ASOT235	1	±100	±4	2.7-36	125	300	0.5	24	IN/OUT	-40-125	Industrial	SOT23-5	Sample*	OPA170, TLV170, TPA2642
OPA1012ASOIC8	2	±100	±4	2.7-36	125	300	0.5	24	IN/OUT	-40-125	Industrial	SOIC-8	Sample*	OPA2170, TLV2170, TPA2642
OPA1012AMSOP8	2	±100	±4	2.7-36	125	300	0.5	24	IN/OUT	-40-125	Industrial	MSOP-8	Sample*	SGM8292, TPA2642, OPA2170, TLV2170, TPA2641
OPA1012ATSSOP8	2	±100	±4	2.7-36	125	300	0.5	24	IN/OUT	-40-125	Industrial	TSSOP-8	Sample*	TPA2642

"Sample*": Special status and different from normal "Sample" status. For more information about devices with this status, contact our sales team by mailing to sales@analogysemi.com.

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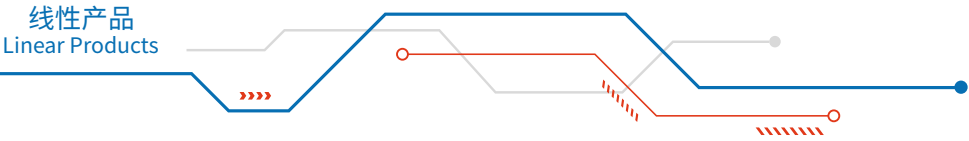
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音视频
Audio & Video

放大器
Amplifier

低偏置电流放大器
Low Bias Current Amplifier

Order Number	CH (#)	Ibias (typ) (fA)	V _{OS} (Max) (mV)	V _{OS} Drift (Typ) (μV/°C)	V _{CC} (V)	I _Q /CH (Typ)(μA)	GBW (kHz)	Slew Rate (Typ) (V/us)	Noise (Typ) (nV/rtHz)	Rail-to-Rail	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	偏置电流	偏移电压	温漂	供电电压	静态电流	带宽	压摆率	噪声谱密度	轨到轨	工作温度范围	等级	封装	状态	竞品
OPJ301ADIP8	1	2	±2	±2	4-36	550	2500	1.5	19	OUT	-40-125	Industrial	DIP8	Production	
OPJ301ASOT235	1	2	±2	±2	4-36	550	2500	1.5	19	OUT	-40-125	Industrial	SOT23-5	Sample	AD8641
OPJ3012ADIP8	2	2	±2	±2	4-36	550	2500	1.5	19	OUT	-40-125	Industrial	DIP8	Sample*	
OPJ3012ASOIC8	2	2	±2	±2	4-36	550	2500	1.5	19	OUT	-40-125	Industrial	SOIC8	Sample	AD8642
OPJ3014ASOIC14	4	2	±2	±2	4-36	550	2500	1.5	19	OUT	-40-125	Industrial	SOIC14	Sample*	AD8643
OPJ201ADIP8	1	2	±2	±2	4-36	200	300	1.5	19	OUT	-40-125	Industrial	DIP8	Sample*	
OPJ201ASOIC8	1	2	±2	±2	4-36	200	300	1.5	19	OUT	-40-125	Industrial	SOIC8	Sample*	
OPJ201AMSOP8	1	2	±2	±2	4-36	200	300	1.5	19	OUT	-40-125	Industrial	MSOP8	Sample*	
OPJ2012ADIP8	2	2	±2	±2	4-36	200	300	1.5	19	OUT	-40-125	Industrial	DIP8	Sample*	
OPJ2012ASOIC8	2	2	±2	±2	4-36	200	300	1.5	19	OUT	-40-125	Industrial	SOIC8	Sample*	
OPJ2012AMSOP8	2	2	±2	±2	4-36	200	300	1.5	19	OUT	-40-125	Industrial	MSOP8	Sample*	
OPJ2014ASOIC14	4	2	±2	±2	4-36	200	300	1.5	19	OUT	-40-125	Industrial	SOIC14	Sample*	



放大器
Amplifier

仪表放大器
Instrumentation Amplifier

Order Number	CH (#)	I _Q /CH (Typ) (μA)	Input Bias (Typ) (nA)	V _{OSI} (Typ) (μV)	V _{OSI} Drift (Typ) (μV/° C)	CMRR (Typ) (dB)	V _{CC} (V)	BW (KHz)	Gain Type	Gain (Typ) (V/V)	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	静态电流 / 通道	输入偏置电流	失调电压	失调电压漂移	共模抑制比	供电电压	带宽	增益类型	增益	工作温度范围	等级	封装	状态	竞品
INA101ASOIC8	1	1560	1	±2.5	0.02	104	4-38	1300	R _G	1-10000	-40-85	Industrial	SOIC-8	Production	AD620 INA188
INA103ASOIC8	1	1300	0.6	±4	0.1	111	4-38	2038	R _G	1-10000	-40-125	Industrial	MSOP-8	Production	
INA104ASOIC8	1	1300	0.6	±4	0.1	111	4-38	2038	R _G	1-10000	-40-125	Industrial	MSOP-8	Production	
INA103AMSOP8	1	1300	0.6	±4	0.1	111	4-38	2038	R _G	1-10000	-40-125	Industrial	MSOP-8	Production	
INA104AMSOP8	1	1300	0.6	±4	0.1	111	4-38	2038	R _G	1-10000	-40-125	Industrial	MSOP-8	Production	
INA112ASOIC8	1	650	1	±2.5	0.1	110	4-38	400	R _G	1-10000	-55-125	Industrial	SOIC-8	Production	AD621
INA201ASOIC8	1	1500	1	±3	0.03	130	4-38	256	R _G and OS	10-100	-40-85	Industrial	SOIC-8	Production	
INA211ASOIC8	1	350	1	±3.5	0.05	110	4-38	130	R _G and OS	10-100	-40-85	Industrial	SOIC-8	Sample*	
INA212ASOIC8	1	350	1	±3.5	0.05	110	4-38	130	R _G and OS	10-100	-55-125	Industrial	SOIC-8	Sample*	AD621
INA601ASOIC8	1	1560	1	±3.5	0.05	110	4-38	1100	Digital	2/5/10/20	-55-125	Industrial	SOIC-8	Sample*	
INA602ASOIC8	1	1560	1	±3.5	0.05	110	4-38	1100	Digital	25/50/75/100	-55-125	Industrial	SOIC-8	Sample*	
INA603ASOIC8	1	1560	1	±3.5	0.05	110	4-38	1100	Digital	125/200/250/500	-55-125	Industrial	SOIC-8	Sample*	
INA611ASOIC8	1	350	1	±3.5	0.05	110	4-38	130	Digital	2/5/10/20	-55-125	Industrial	SOIC-8	Sample*	
INA612ASOIC8	1	350	1	±3.5	0.05	110	4-38	130	Digital	25/50/75/100	-55-125	Industrial	SOIC-8	Sample*	
INA613ASOIC8	1	350	1	±3.5	0.05	110	4-38	130	Digital	125/200/250/500	-55-125	Industrial	SOIC-8	Sample*	

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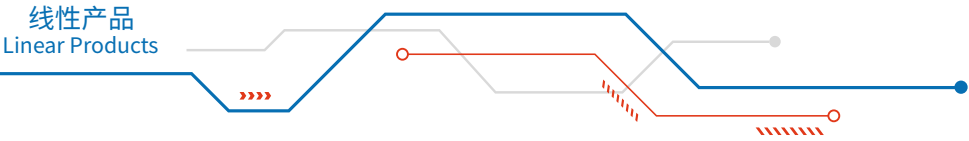
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放大器
Amplifier

电流采样放大器
Current Sense Amplifier

Order Number	Channel (#)	V _{CM} (V)	Input Offset (Max) (μV)	Input Offset Drift(Typ) (μV/°C)	Gain (V/V)	Gain Error (Max) (%)	Gain Error Drift (Typ) (ppm/°C)	CMRR (Typ) (dB)	BW (kHz)	VCC (V)	I _o (Typ) (mA)	Enhanced PWM Rejection	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	输入共模电压	最大输入偏置电压	输入偏置电压典型温漂	增益	最大增益误差	Shunt 增益误差温漂	共模抑制比	带宽	供电电压	静态电流	增强 PWM 抑制	工作温度范围	等级	封装	状态	竞品
CSA240LCSOIC8	1	-6-80	±15	±0.19	20	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Industrial	SOIC-8	Production	INA240, AD8418 NCS7041, TSC2010
CSA240MCSOIC8	1	-6-80	±15	±0.19	50	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Industrial	SOIC-8	Production	
CSA240NCSOIC8	1	-6-80	±15	±0.19	100	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Industrial	SOIC-8	Production	
CSA240LCMSOP8	1	-6-80	±15	±0.19	20	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Industrial	MSOP-8	Production	AD8418, MAX40056 NCS7041, TSC2010
CSA240MCMSOP8	1	-6-80	±15	±0.19	50	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Industrial	MSOP-8	Production	
CSA240NCMSOP8	1	-6-80	±15	±0.19	100	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Industrial	MSOP-8	Production	
CSA240LCTSSOP8	1	-6-80	±15	±0.19	20	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Industrial	TSSOP-8	Production	INA240
CSA240MCTSSOP8	1	-6-80	±15	±0.19	50	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Industrial	TSSOP-8	Production	INA240
CSA240NCTSSOP8	1	-6-80	±15	±0.19	100	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Industrial	TSSOP-8	Production	INA240
CSA241LCSOIC8	1	-6-80	±15	±0.19	20	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Industrial	SOIC-8	Sample*	
CSA241MCSOIC8	1	-6-80	±15	±0.19	50	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Industrial	SOIC-8	Sample*	
CSA241NCSOIC8	1	-6-80	±15	±0.19	100	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Industrial	SOIC-8	Sample*	
CSA241LCMSOP8	1	-6-80	±15	±0.19	20	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Industrial	MSOP-8	Sample*	INA241
CSA241MCMSOP8	1	-6-80	±15	±0.19	50	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Industrial	MSOP-8	Sample*	INA241
CSA241NCMSOP8	1	-6-80	±15	±0.19	100	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Industrial	MSOP-8	Sample*	INA241
CSA241LCTSSOP8	1	-6-80	±15	±0.19	20	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Industrial	TSSOP-8	Sample*	
CSA241MCTSSOP8	1	-6-80	±15	±0.19	50	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Industrial	TSSOP-8	Sample*	
CSA241NCTSSOP8	1	-6-80	±15	±0.19	100	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Industrial	TSSOP-8	Sample*	
CSA240LQCSOIC8	1	-6-80	±15	±0.19	20	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Auto	SOIC-8	Production	INA240-Q1
CSA240MQCSOIC8	1	-6-80	±15	±0.19	50	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Auto	SOIC-8	Production	INA240-Q1
CSA240NQCSOIC8	1	-6-80	±15	±0.19	100	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Auto	SOIC-8	Production	INA240-Q1
CSA240LQCTSSOP8	1	-6-80	±15	±0.19	20	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Auto	TSSOP-8	Production	INA240-Q1

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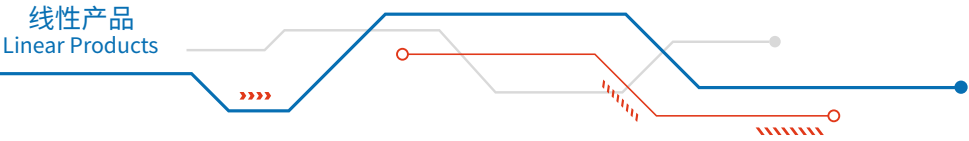
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电流采样放大器
Current Sense Amplifier

Order Number	Channel (#)	V _{CM} (V)	Input Offset (Max) (μV)	Input Offset Drift(Typ) (μV/°C)	Gain (V/V)	Gain Error (Max) (%)	Gain Error Drift (Typ) (ppm/°C)	CMRR (Typ) (dB)	BW (kHz)	VCC (V)	I _o (Typ) (mA)	Enhanced PWM Rejection	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	输入共模电压	最大输入偏置电压	输入偏置电压典型温漂	增益	最大增益误差	Shunt 增益误差温漂	共模抑制比	带宽	供电电压	静态电流	增强 PWM 抑制	工作温度范围	等级	封装	状态	竞品
CSA240MQCTSSOP8	1	-6-80	±15	±0.19	50	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Auto	TSSOP-8	Production	INA240-Q1
CSA240NQCTSSOP8	1	-6-80	±15	±0.19	100	±0.1	±6	160	550	2.7-5.5	1.4	Y	-40-125	Auto	TSSOP-8	Production	INA240-Q1
CSA241LQCSOIC8	1	-6-80	±15	±0.19	20	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Auto	SOIC-8	Sample*	
CSA241MQCSOIC8	1	-6-80	±15	±0.19	50	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Auto	SOIC-8	Sample*	
CSA241NQCSOIC8	1	-6-80	±15	±0.19	100	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Auto	SOIC-8	Sample*	
CSA241LQCTSSOP8	1	-6-80	±15	±0.19	20	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Auto	TSSOP-8	Sample*	
CSA241MQCTSSOP8	1	-6-80	±15	±0.19	50	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Auto	TSSOP-8	Sample*	
CSA241NQCTSSOP8	1	-6-80	±15	±0.19	100	±0.1	±6	160	250	2.7-5.5	0.8	Y	-40-125	Auto	TSSOP-8	Sample*	
CSA245LCSOT235	1	-6-80	±50	±0.35	20	±0.3	±9	150	550	2.7-5.5	1.4	N	-40-125	Industrial	SOT23-5	Sample	INA181, TPA2296
CSA245MCSOT235	1	-6-80	±50	±0.35	50	±0.3	±9	150	550	2.7-5.5	1.4	N	-40-125	Industrial	SOT23-5	Sample	INA181, TPA2296
CSA245NCSOT235	1	-6-80	±50	±0.35	100	±0.3	±9	150	550	2.7-5.5	1.4	N	-40-125	Industrial	SOT23-5	Sample	INA181, TPA2296
CSA245LQCSOT235	1	-6-80	±50	±0.35	20	±0.3	±9	150	550	2.7-5.5	1.4	N	-40-125	Auto	SOT23-5	Production	INA293-Q1, ZXCT1086
CSA245MQCSOT235	1	-6-80	±50	±0.35	50	±0.3	±9	150	550	2.7-5.5	1.4	N	-40-125	Auto	SOT23-5	Production	INA293-Q1, ZXCT1086
CSA245NQCSOT235	1	-6-80	±50	±0.35	100	±0.3	±20	150	550	2.7-5.5	1.4	N	-40-125	Auto	SOT23-5	Production	INA293-Q1, ZXCT1086
CSA2102LAMSOP8	2	0-80	10	0.2	10	0.1	NA	155	60	2.7-5.5	300	N	-40-125	Industrial	MSOP-8	Sample*	
CSA2102MAMSOP8	2	0-80	10	0.2	20	0.1	NA	155	60	2.7-5.5	300	N	-40-125	Industrial	MSOP-8	Sample*	
CSA2102NAMSOP8	2	0-80	10	0.2	50	0.1	NA	155	60	2.7-5.5	300	N	-40-125	Industrial	MSOP-8	Sample*	
CSA2102PAMSOP8	2	0-80	10	0.2	100	0.1	NA	155	60	2.7-5.5	300	N	-40-125	Industrial	MSOP-8	Sample*	
CSA2202LAMSOP8	2	0-76	5	0.2	10	0.1	NA	160	50	2.7-5.5	300	N	-40-125	Industrial	MSOP-8	Sample	
CSA2302LAMSOP8	2	0-76	10	0.2	10	0.1	NA	160	90	2.7-5.5	511	N	-40-125	Industrial	MSOP-8	Production	MAX44285/40201
CSA2302MAMSOP8	2	0-76	10	0.2	20	0.1	NA	160	90	2.7-5.5	511	N	-40-125	Industrial	MSOP-8	Production	MAX44285/40201
CSA2302NAMSOP8	2	0-76	10	0.2	50	0.1	NA	160	90	2.7-5.5	511	N	-40-125	Industrial	MSOP-8	Production	MAX44285/40201

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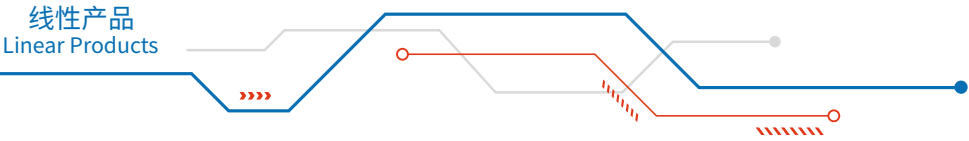
汽车智能驱动
Auto Smart Drive

电源管理
Power Management

接口与隔离
Interface and Isolation

微控制器
MCU/DSP

音视频
Audio & Video

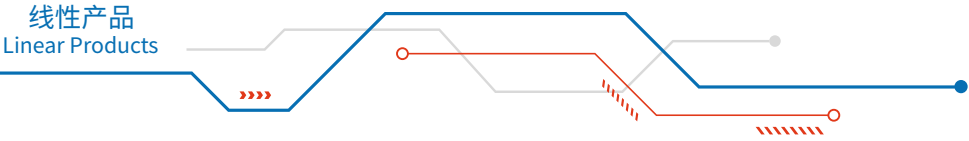


放大器
Amplifier

电流采样放大器
Current Sense Amplifier

Order Number	Channel (#)	V _{CM} (V)	VOS (Typ) (μV)	Input Offset Drift(Typ) (μV/°C)	Gain (V/V)	Gain Error (Max) (%)	Gain Error Drift (Typ) (ppm/°C)	CMRR (Typ) (dB)	BW (kHz)	VCC (V)	I _o (Typ) (μA)	Enhanced PWM Rejection	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	输入共模电压	失调电压	输入偏置电压典型温漂	增益	增益误差	Shunt 增益误差温漂	共模抑制比	带宽	供电电压	静态电流	增强 PWM 抑制	工作温度范围	等级	封装	状态	竞品
CSA2302PAMSOP8	2	0-76	10	0.2	100	0.1	NA	160	90	2.7-5.5	511	N	-40-125	Industrial	MSOP-8	Sample	MAX44285/40201
CSA230LASOT235	1	0-76	8	0.16	10	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	SOT23-5	Production	INA186
CSA230MASOT235	1	0-76	8	0.16	20	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	SOT23-5	Production	INA186
CSA230NASOT235	1	0-76	8	0.16	50	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	SOT23-5	Production	INA186
CSA230PASOT235	1	0-76	8	0.16	100	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	SOT23-5	Production	INA186
CSA231LASOIC8	1	0-76	8	0.16	10	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	SOIC-8	Production	INA240
CSA231MASOIC8	1	0-76	8	0.16	20	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	SOIC-8	Production	INA240
CSA231NASOIC8	1	0-76	8	0.16	50	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	SOIC-8	Production	INA240
CSA231PASOIC8	1	0-76	8	0.16	100	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	SOIC-8	Production	INA240
CSA231LATSSOP8	1	0-76	8	0.16	10	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	TSSOP-8	Production	INA240
CSA231MATSSOP8	1	0-76	8	0.16	20	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	TSSOP-8	Production	INA240
CSA231NATSSOP8	1	0-76	8	0.16	50	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	TSSOP-8	Production	INA240
CSA231PATSSOP8	1	0-76	8	0.16	100	0.1	NA	159	90	2.7-5.5	560	N	-40-125	Industrial	TSSOP-8	Production	INA240
CSA315LATSSOP14	1	-6-80	±2	±0.2	20	±0.1	±6	160	420	2.7-5.5	1.7	N	-40-125	Industrial	TSSOP-14	Production	INA203
CSA315MATSSOP14	1	-6-80	±2	±0.2	50	±0.1	±6	160	420	2.7-5.5	1.7	N	-40-125	Industrial	TSSOP-14	Production	INA204
CSA315PATSSOP14	1	-6-80	±2	±0.2	100	±0.15	±6	160	420	2.7-5.5	1.7	N	-40-125	Industrial	TSSOP-14	Production	INA205
CSA314LAMSOP8	1	-6-80	±20	±0.2	20	±0.1	±6	160	420	2.7-5.5	1.6	N	-40-125	Industrial	MSOP-8	Production	INA200, MAX4374T
CSA314MAMSOP8	1	-6-80	±20	±0.2	50	±0.1	±6	160	420	2.7-5.5	1.6	N	-40-125	Industrial	MSOP-8	Production	INA201, MAX4374F
CSA314PAMSOP8	1	-6-80	±20	±0.2	100	±0.1	±6	160	420	2.7-5.5	1.6	N	-40-125	Industrial	MSOP-8	Production	INA202, MAX4374H
CSA311LAMSOP8	1	-6-80	±20	±0.2	20	±0.1	±6	160	420	2.7-5.5	1.6	N	-40-125	Industrial	MSOP-8	Production	INA301A1, MAX4373T
CSA311MAMSOP8	1	-6-80	±20	±0.2	50	±0.1	±6	160	420	2.7-5.5	1.6	N	-40-125	Industrial	MSOP-8	Production	INA301A2, MAX4373F
CSA311PAMSOP8	1	-6-80	±20	±0.2	100	±0.1	±6	160	420	2.7-5.5	1.6	N	-40-125	Industrial	MSOP-8	Production	INA301A3, MAX4373H





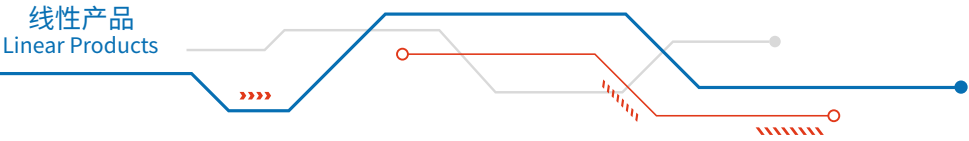
放大器
Amplifier

电流采样放大器
Current Sense Amplifier

Order Number	Channel (#)	V _{CM} (V)	VOS (Typ) (μV)	Input Offset Drift(Typ) (μV/°C)	Gain (V/V)	Gain Error (Max) (%)	Gain Error Drift (Typ) (ppm/°C)	CMRR (Typ) (dB)	BW (kHz)	VCC (V)	I _o (Typ) (mA)	Enhanced PWM Rejection	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	输入共模电压	失调电压	输入偏置电压典型温漂	增益	增益误差	Shunt 增益误差温漂	共模抑制比	带宽	供电电压	静态电流	增强 PWM 抑制	工作温度范围	等级	封装	状态	竞品
CSA520MASOT235	1	-0.3-36	±30	0.3	20	±2	8	150	350	2.5-5.5	215	N	-40-125	Industry	SOT235	Sample	INA180A1
CSA520NASOT235	1	-0.3-36	±30	0.3	50	±2	8	150	210	2.5-5.5	215	N	-40-125	Industry	SOT235	Production	INA180A2
CSA520PASOT235	1	-0.3-36	±30	0.3	100	±2	8	150	150	2.5-5.5	215	N	-40-125	Industry	SOT235	Sample	INA180A3
CSA520RASOT235	1	-0.3-36	±30	0.3	200	±2	8	150	105	2.5-5.5	215	N	-40-125	Industry	SOT235	Sample*	INA180A4
CSA522MASOT235	1	-0.3-36	±30	0.3	20	±2	8	150	350	2.5-5.5	215	N	-40-125	Industry	SOT235	Sample*	INA180B1
CSA522NASOT235	1	-0.3-36	±30	0.3	50	±2	8	150	210	2.5-5.5	215	N	-40-125	Industry	SOT235	Sample*	INA180B2
CSA522PASOT235	1	-0.3-36	±30	0.3	100	±2	8	150	150	2.5-5.5	215	N	-40-125	Industry	SOT235	Sample*	INA180B3
CSA522RASOT235	1	-0.3-36	±30	0.3	200	±2	8	150	105	2.5-5.5	215	N	-40-125	Industry	SOT235	Sample*	INA180B4
CSA521HASC706	1	-0.3-36	±15	0.05	25	±0.6	10	140	300	2.5-5.5	192	N	-40-125	Industry	SC706	Sample*	INA186A1/INA190A1
CSA521NASC706	1	-0.3-36	±15	0.05	50	±0.6	10	140	200	2.5-5.5	192	N	-40-125	Industry	SC706	Production	INA186A2/INA190A2/INA213/INA199X1
CSA521KASC706	1	-0.3-36	±15	0.05	75	±0.6	10	140	180	2.5-5.5	192	N	-40-125	Industry	SC706	Sample*	INA215
CSA521PASC706	1	-0.3-36	±15	0.05	100	±0.6	10	140	150	2.5-5.5	192	N	-40-125	Industry	SC706	Sample	INA186A3/INA190A3/INA214/INA199X2
CSA521RASC706	1	-0.3-36	±15	0.05	200	±0.6	10	140	100	2.5-5.5	192	N	-40-125	Industry	SC706	Sample*	INA186A4/INA190A4/INA210/INA199X3
CSA521SASC706	1	-0.3-36	±15	0.05	500	±0.6	10	140	75	2.5-5.5	192	N	-40-125	Industry	SC706	Sample*	INA186A5/INA190A5/INA211
CSA521TASC706	1	-0.3-36	±15	0.05	1000	±0.6	10	140	30	2.5-5.5	192	N	-40-125	Industry	SC706	Sample*	INA212
CSA521MASOT236	1	-0.3-36	±15	0.05	20	±1	10	140	350	2.5-5.5	192	N	-40-125	Industry	SOT236	Sample	INA181A1
CSA521NASOT236	1	-0.3-36	±15	0.05	50	±1	10	140	210	2.5-5.5	192	N	-40-125	Industry	SOT236	Production	INA181A2
CSA521PASOT236	1	-0.3-36	±15	0.05	100	±1	10	140	150	2.5-5.5	192	N	-40-125	Industry	SOT236	Sample	INA181A3
CSA521RASOT236	1	-0.3-36	±15	0.05	200	±1	10	140	105	2.5-5.5	192	N	-40-125	Industry	SOT236	Sample*	INA181A4
CSA5212MAMSOP10	2	-0.3-36	±15	0.05	20	±1	10	140	350	2.5-5.5	192	N	-40-125	Industry	MSOP10	Sample*	INA2181A1
CSA5212NAMSOP10	2	-0.3-36	±15	0.05	50	±1	10	140	210	2.5-5.5	192	N	-40-125	Industry	MSOP10	Sample*	INA2181A2
CSA5212PAMSOP10	2	-0.3-36	±15	0.05	100	±1	10	140	150	2.5-5.5	192	N	-40-125	Industry	MSOP10	Sample*	INA2181A3

"Sample*": Special status and different from normal "Sample" status. For more information about devices with this status, contact our sales team by mailing to sales@analogsemi.com.





放大器
Amplifier

电流采样放大器
Current Sense Amplifier

Order Number	Channel (#)	V _{CM} (V)	VOS (Typ) (μV)	Input Offset Drift(Typ) (μV/°C)	Gain (V/V)	Gain Error (Max) (%)	Gain Error Drift (Typ) (ppm/°C)	CMRR (Typ) (dB)	BW (kHz)	VCC (V)	I _o (Typ) (mA)	Enhanced PWM Rejection	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	通道	输入共模电压	失调电压	输入偏置电压典型温漂	增益	增益误差	Shunt 增益误差温漂	共模抑制比	带宽	供电电压	静态电流	增强 PWM 抑制	工作温度范围	等级	封装	状态	竞品
CSA5212RAMSOP10	2	-0.3-36	±15	0.05	200	±1	10	140	105	2.5-5.5	192	N	-40-125	Industry	MSOP10	Sample*	INA2181A4
CSA5202MAMSOP8	2	-0.3-36	±30	0.3	20	±2	8	150	350	2.5-5.5	215	N	-55-125	Industry	MSOP8	Sample*	INA2180
CSA5202NAMSOP8	2	-0.3-36	±30	0.3	50	±2	8	150	210	2.5-5.5	215	N	-55-125	Industry	MSOP8	Sample*	INA2180
CSA5202PAMSOP8	2	-0.3-36	±30	0.3	100	±2	8	150	150	2.5-5.5	215	N	-55-125	Industry	MSOP8	Sample*	INA2180
CSA5202RAMSOP8	2	-0.3-36	±30	0.3	200	±2	8	150	105	2.5-5.5	215	N	-55-125	Industry	MSOP8	Sample*	INA2180
CSA601LQCSOT235	1	-6-40	±50	±0.35	20	±0.3	±9	150	550	2.7-5.5	1.4	N	-40-125	Auto	SOT23-5	Production	INA180-Q1
CSA601MQCSOT235	1	-6-40	±50	±0.35	50	±0.3	±9	150	550	2.7-5.5	1.4	N	-40-125	Auto	SOT23-5	Production	INA180-Q1
CSA601NQCSOT235	1	-6-40	±50	±0.35	100	±0.3	±9	150	550	2.7-5.5	1.4	N	-40-125	Auto	SOT23-5	Production	INA180-Q1

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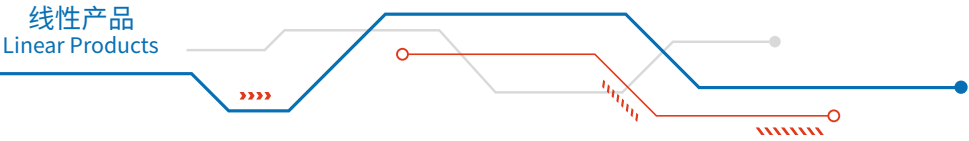
汽车智能驱动
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Power Management

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MCU/DSP

音视频
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放大器
Amplifier

电流功率监视器
Current Power Monitor

Order Number	Interface	V _{CM} (V)	Input Offset (Max) (μV)	Input Offset Drift(Typ) (μV/°C)	Gain Error (Max) (%)	Gain Error Drift (Typ) (ppm/°C)	CMRR (Typ) (dB)	VDD (V)	I _Q (Typ) (uA)	Resolution (Typ) (bits)	Shunt Range (Typ) (mV)	Temp Sensor	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	接口	输入共模电压	最大输入偏置电压	输入偏置电压典型温漂	最大增益误差	Shunt 增益误差温漂	共模抑制比	供电电压	静态电流	分辨率	Shunt 电压范围	温度传感器	工作温度范围	等级	封装	状态	竞品
CSD201CMSOP10	I ² C or SMBus	0-26	50	0.16	0.1	50	140	2.7-5.5	350	12	±40/±80/±160/±320	N	-40-125	Industrial	MSOP-10	Sample	INA220, TPA620
CSD202CMSOP10	I ² C or SMBus	0-36	±2.5	0.02	0.1	20	160	2.7-5.5	330	16	±81.69	N	-40-125	Industrial	MSOP-10	Production	INA226, SQ52201, TPA626
CSD203LDMSOP10	I ² C or SMBus	0-36	±2.5	0.02	0.1	20	160	2.7-5.5	340	16	±81.69/±163.37	Y	-40-125	Industrial	MSOP-10	Production	INA226, INA220, SQ52201, TPA626
CSD203PDMSOP10	I ² C or SMBus	0-65	±2.5	0.02	0.1	20	168	2.7-5.5	340	20	±81.69/±163.37	Y	-40-125	Industrial	MSOP-10	Production	INA226, INA228
CSD204LDMSOP10	I ² C or SMBus	-5-65	±2.5	0.02	0.1	30	168	2.7-5.5	340	16	±81.69/±163.37	Y	-40-125	Industrial	MSOP-10	Production	
CSD204MDMSOP10	I ² C or SMBus	-5-65	±2.5	0.02	0.1	30	168	2.7-5.5	340	20	±81.69/±163.37	Y	-40-125	Industrial	MSOP-10	Production	
CSD205LDMSOP10	SPI	0-36	±2.5	0.02	0.1	20	160	2.7-5.5	340	16	±81.69/±163.37	Y	-40-125	Industrial	MSOP-10	Production	INA229-
CSD205PDMSOP10	SPI	0-65	±2.5	0.02	0.1	20	168	2.7-5.5	340	20	±81.69/±163.37	Y	-40-125	Industrial	MSOP-10	Production	INA229-
CSD206LDMSOP10	SPI	-5-65	±2.5	0.02	0.1	30	168	2.7-5.5	340	16	±81.69/±163.37	Y	-40-125	Industrial	MSOP-10	Production	
CSD206MDMSOP10	SPI	-5-65	±2.5	0.02	0.1	30	168	2.7-5.5	340	20	±81.69/±163.37	Y	-40-125	Industrial	MSOP-10	Production	

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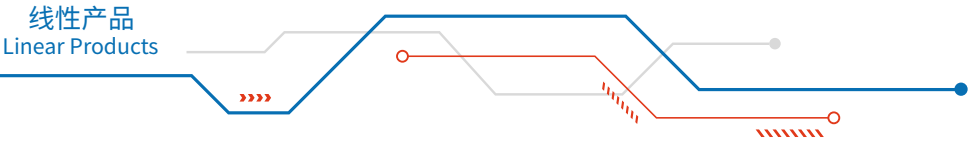
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Audio & Video

放大器
Amplifier

特殊放大器
Special Amplifier

Order Number	Input Common-mode Voltage (V)	Max Offset Voltage (mV)	Input Offset Drift (Typ) (μV/°C)	Gain Error (Max)(%)	Gain Drift (ppm/° C)	CMRR (Typ) (dB)	Bandwidth (kHz)	Vs (V)	IQ (Typ) (μA)	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	输入共模电压	最大偏置电压	输入偏置电压典型温漂	最大增益误差	增益温漂	共模抑制比	带宽	供电电压	静态电流	工作温度范围	等级	封装	状态	竞品
IND901ASOIC8	±275V	0.85	±3	±0.05	3.5	100	240	4-40	570	-40-125	Industrial	SOIC-8	Production	INA149, AD629, LT1990 AD8479, TPA9151
IND902ASOIC8	±275V	1	±1	±0.05	5	100	110	4-40	200	-40-125	Industrial	SOIC-8	Sample*	

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参考
Reference

Order Number	Voltage (Typ) (V)	I _Q (Typ) (μA)	Initial Accuracy (Typ) (%)	Temp Drift -40 - 125°C (Typ) (ppm/°C)	Temp Drift -40 - 125°C (Max) (ppm/°C)	Features	OP. Temp (°C)	Rating	Package	Status	Competitor
供货型号	输出电压	静态电流	初始精度	温度漂移	温度漂移	特性	工作温度范围	等级	封装	状态	竞品
REF318SOT233	1.8	50	0.05	5	20		-40-125	Industrial	SOT23-3	Production	
REF320SOT233	2.048	50	0.05	5	20		-40-125	Industrial	SOT23-3	Production	REF31
REF325SOT233	2.5	50	0.05	5	20		-40-125	Industrial	SOT23-3	Production	REF31, MAX61, MAX6035
REF330SOT233	3	50	0.05	5	20		-40-125	Industrial	SOT23-3	Production	REF31, MAX6035
REF333SOT233	3.3	50	0.05	5	20		-40-125	Industrial	SOT23-3	Production	REF31
REF340SOT233	4.096	50	0.05	5	20		-40-125	Industrial	SOT23-3	Production	REF31, MAX61
REF345SOT233	4.5	50	0.05	5	20		-40-125	Industrial	SOT23-3	Production	MAX61
REF350SOT233	5	50	0.05	5	20		-40-125	Industrial	SOT23-3	Production	MAX61, MAX6035
REF318QSOT233	1.8	50	0.05	5	20		-40-125	Auto	SOT23-3	Production	
REF320QSOT233	2.048	50	0.05	5	20		-40-125	Auto	SOT23-3	Production	
REF325QSOT233	2.5	50	0.05	5	20		-40-125	Auto	SOT23-3	Production	
REF330QSOT233	3	50	0.05	5	20		-40-125	Auto	SOT23-3	Production	
REF333QSOT233	3.3	50	0.05	5	20		-40-125	Auto	SOT23-3	Production	
REF340QSOT233	4.096	50	0.05	5	20		-40-125	Auto	SOT23-3	Production	
REF345QSOT233	4.5	50	0.05	5	20		-40-125	Auto	SOT23-3	Production	
REF350QSOT233	5	50	0.05	5	20		-40-125	Auto	SOT23-3	Production	
REF412SOT233	1.25	50	0.05	2			-40-125	Industrial	SOT23-3	Sample*	
REF418SOT233	1.8	50	0.05	2			-40-125	Industrial	SOT23-3	Sample*	
REF420SOT233	2.048	50	0.05	2			-40-125	Industrial	SOT23-3	Sample*	
REF425SOT233	2.5	50	0.05	2			-40-125	Industrial	SOT23-3	Sample*	
REF430SOT233	3	50	0.05	2			-40-125	Industrial	SOT23-3	Sample*	
REF433SOT233	3.3	50	0.05	2			-40-125	Industrial	SOT23-3	Sample*	
REF440SOT233	4.096	50	0.05	2			-40-125	Industrial	SOT23-3	Sample*	
REF445SOT233	4.5	50	0.05	2			-40-125	Industrial	SOT23-3	Sample*	
REF450SOT233	5	50	0.05	2			-40-125	Industrial	SOT23-3	Sample*	

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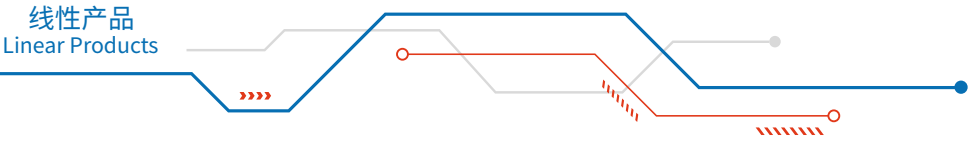
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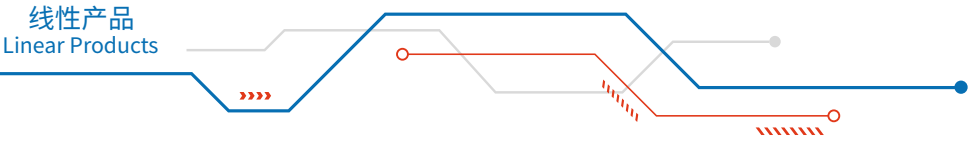
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参考
Reference

Order Number	Voltage (Typ) (V)	I _Q (Typ) (μA)	Initial Accuracy (Typ) (%)	Temp Drift -40 - 125°C (Typ) (ppm/°C)	Temp Drift -40 - 125°C (Max) (ppm/°C)	Features	OP. Temp (°C)	Rating	Package	Status	Competitor
供货型号	输出电压	静态电流	初始精度	温度漂移	温度漂移	特性	工作温度范围	等级	封装	状态	竞品
REF112SOT236	1.25	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF35
REF118SOT236	1.8	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF35
REF120SOT236	2.048	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF35
REF125SOT236	2.5	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF35
REF130SOT236	3	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF35
REF133SOT236	3.3	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF35
REF140SOT236	4.096	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF35
REF145SOT236	4.5	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	
REF150SOT236	5	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF35
REF312SOT236	1.25	50	0.05	5	20	NR, Enable, SHDN, Output Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6070
REF318SOT236	1.8	50	0.05	5	20	NR, Enable, SHDN, Output Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6070
REF320SOT236	2.048	50	0.05	5	20	NR, Enable, SHDN, Output Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6070
REF325SOT236	2.5	50	0.05	5	20	NR, Enable, SHDN, Output Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6070
REF330SOT236	3	50	0.05	5	20	NR, Enable, SHDN, Output Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6070
REF333SOT236	3.3	50	0.05	5	20	NR, Enable, SHDN, Output Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6070
REF340SOT236	4.096	50	0.05	5	20	NR, Enable, SHDN, Output Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6070
REF345SOT236	4.5	50	0.05	5	20	NR, Enable, SHDN, Output Sense	-40-125	Industrial	SOT23-6	Sample*	
REF350SOT236	5	50	0.05	5	20	NR, Enable, SHDN, Output Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6070
REF3212SOT236	1.25	50	0.05	5	20	Enable, Output Sense, GND Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6071, REF32, ADR34
REF3218SOT236	1.8	50	0.05	5	20	Enable, Output Sense, GND Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6071
REF3220SOT236	2.048	50	0.05	5	20	Enable, Output Sense, GND Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6071, REF32, ADR34





参考
Reference

Order Number	Voltage (Typ) (V)	I _Q (Typ) (μA)	Initial Accuracy (Typ) (%)	Temp Drift -40 - 125°C (Typ) (ppm/°C)	Temp Drift -40 - 125°C (Max) (ppm/°C)	Features	OP. Temp (°C)	Rating	Package	Status	Competitor
供货型号	输出电压	静态电流	初始精度	温度漂移	温度漂移	特性	工作温度范围	等级	封装	状态	竞品
REF3225SOT236	2.5	50	0.05	5	20	Enable, Output Sense, GND Sense	-40-125	Industrial	SOT23-6	Sample*	MAX6071, REF32, REF34, ADR34
REF3230SOT236	3	50	0.05	5	20	Enable, Output Sense, GND Sense	-40-125	Industrial	SOT23-6	Sample*	
REF3233SOT236	3.3	50	0.05	5	20	Enable, Output Sense, GND Sense	-40-125	Industrial	SOT23-6	Sample*	
REF3240SOT236	4.096	50	0.05	5	20	Enable, Output Sense, GND Sense	-40-125	Industrial	SOT23-6	Sample*	
REF3250SOT236	5	50	0.05	5	20	Enable, Output Sense, GND Sense	-40-125	Industrial	SOT23-6	Sample*	
REF3312SOT236	1.25	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	LT6654
REF3320SOT236	2.048	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	LT6654
REF3325SOT236	2.5	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	LT6654
REF3330SOT236	3	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	LT6654
REF3333SOT236	3.3	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	LT6654
REF3340SOT236	4.096	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	LT6654
REF3350SOT236	5	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	LT6654
REF3425SOT236	2.5	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF34
REF3430SOT236	3	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF34
REF3433SOT236	3.3	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF34
REF3450SOT236	5	50	0.05	5	20		-40-125	Industrial	SOT23-6	Sample*	REF34

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BDC
- 无刷电机驱动
BLDC
- 步进电机驱动
Stepper

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Motor Driver | BDC

Order Number	Number of Half-Bridges	VM Max (V)	RDS(ON) (mΩ)	ISLEEP (Typ) (μA)	Control Mode	Control Interface	Gate Drive Current Settings	Current-Shunt Amplifier Gains (V/V)	Features	Offline Diagnostic	OP. Temp (° C)	Rating	Package	Status	Competitor
供货型号	半桥数量	最大输入电压	导通电阻	睡眠电流	控制模式	控制接口	栅极驱动电流挡位	电流采样运放增益	特性	离线负载诊断	工作温度范围	等级	封装	状态	竞品
DR702QAQFN32	2	55	NA	3.4	PH/EN, independent PWM Standard PWM	Hardware	6	19.8	current regulation, low-side CSA, Smart gate driver	No	-40-125	Auto	QFN-32	Production	DRV8701-Q1 DRV8702-Q1 A3921
DR703QAQFN32	2	55	NA	3.4	PH/EN, independent PWM Standard PWM	SPI	8	10/19.8/39.4/78	current regulation, low-side CSA, Smart gate driver	No	-40-125	Auto	QFN-32	Production	DRV8703-Q1, DRV8705-Q1 DRV8706-Q1, MLX83100 A3922, A3924, BD16952
DR704QAQFN32	2	55	NA	3.4	PH/EN, independent PWM Standard PWM	SPI	8	9/18.8/38.4/77	current regulation, low-side CSA, Smart gate driver	Yes	-40-125	Auto	QFN-32	Production	
DR7808QAQFN48	8	40	NA	6	3 PWM or 4 PWM	SPI	16	10/20/40/80	Inline	Yes	-40-125	Auto	QFN-48	Production	TLE92108, DRV8718
DR7804AQFN48	4	40	NA	6	3 PWM	SPI	16	10/20/40/80	Inline	Yes	-40-125	Auto	QFN-48	Production	TLE92104, DRV8714

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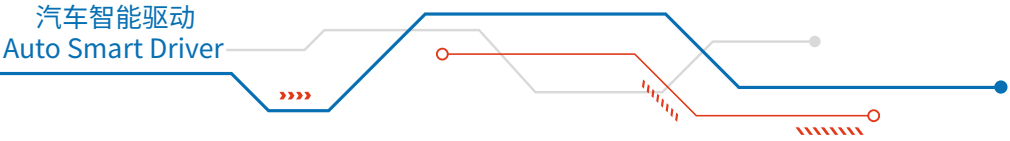
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高低边驱动

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|

高边驱动

High-Side Driver

供货型号	通道数	25° C 导通电阻	125° C 导通电阻	典型负载电流	待机电流	控制接口	短路保护电流	电流镜比例	电池反接自动开启	离线负载诊断	功能	工作温度范围	封装	等级	状态	竞品
HD70152QASSOP16P	2	14.5	24.7	5	0.1	Hardware	40	2950	Yes	Yes	NA	-40-125	SSOP16PP	Auto	Production	VND7E025,VND7020,VND9016
HD70152QASSOP14P	2	14.5	24.7	5	0.1	Hardware	40	3700	Yes	Yes	NA	-40-125	SSOP14PP	Auto	Production	BTS7020-2 BTS7030-2
HD70402QASSOP16P	2	35	65	3	0.1	Hardware	20	1340	Yes	Yes	NA	-40-125	SSOP16PP	Auto	Production	VND7E050,VND7050 VND7E040,VND7040
HD70402QASSOP14P	2	36	65	3	0.1	Hardware	20	1340	Yes	Yes	NA	-40-125	SSOP14PP	Auto	Production	BTS7080-2, BTS7050-2
HD70802QASSOP16P	2	40	80	2	0.1	Hardware	15	1200	Yes	Yes	NA	-40-125	SSOP16PP	Auto	Production	VND7140
HD70802QASSOP14P	2	40	80	2	0.1	Hardware	15	1200	Yes	Yes	NA	-40-125	SSOP14PP	Auto	Production	BTS7200-2, BTS7120-2
HD7008QASSOP16P	1	6.2	9.5	11	0.1	Hardware	70	5900	Yes	Yes	NA	-40-125	SSOP16PP	Auto	Production	VN7E010 VN7008,VN9008 VN9012
HD7008QASSOP14P	1	8.2	12	10	0.1	Hardware	60	5450	Yes	Yes	NA	-40-125	SSOP14PP	Auto	Production	BTS7008-1epa
HD7008MQASSOP16P	1	6.2	9.5	11	0.1	Hardware	70	5900	Yes	Yes	Multi-Sense	-40-125	SSOP16PP	Auto	Production	VN7010, VN7016
HD7008PQASSOP14P	1	6.4	9.7	11	0.1	Hardware	70	5450	Yes	Yes	NA	-40-125	SSOP14PP	Auto	Production	BTS7008-1EPP
HD7015QASSOP14P	1	17.2	25	5	0.1	Hardware	40	2800	Yes	Yes	NA	-40-125	SSOP14PP	Auto	Production	VN7020,VN9016
HD7040MQASSOP16P	1	35	64.2	4	0.1	Hardware	20	1340	Yes	Yes	Multi-Sense	-40-125	SSOP16PP	Auto	Sample	VN7040,VN7050
HD7080MQASSOP16P	1	35	80	2.8	0.1	Hardware	15	1200	Yes	Yes	Multi-Sense	-40-125	SSOP16PP	Auto	Sample	VN7140
EF1048QAQFN32	1	NA	NA	NA	20	SPI/ Hardware	NA	NA	NA	NA	I2t	-40-125	QFN32	Auto	Sample	VNF1048,VNF1248

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AISG

Order Number	End Equipment	TX ON Power (dBm)	RX Threshold (dBm)	VCC (V)	Isupply (Typ) (mA)	OP. Temp (°C)	Rating	Package	Status	Competitor
供货型号	终端设备	发射机功率	接收机功率	供电范围	供电电流	工作温度	等级	封装	状态	竞品
LB5377AQFN16	AISG	7-12	-18 to -12	3-5.5	24.5	-40-120	Industrial	QFN-16	Production	SN65HVD62, SN65HVD63, SN65HVD64, MAX9947, CA-IF4023

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CAN

Order Number	Vio	STB/Slient/NC	BUS Fault Voltagew (typ)(V)	Data Rate (Max)(MBPS)	Rating	Package	Status	Competitor
供货型号	Vio	STB/Slient/NC	总线报错电压	数据率	等级	封装	状态	竞品
CL1042VQASOIC8	VIO	STB	±58	5	Auto	SOIC-8	Sample	TJA1042T/3
CL1042GQSOIC8	NC	STB	±58	5	Auto	SOIC-8	Sample	TCAN1042G-Q1
CL1044VQASOIC8	VIO	STB	±42	5	Auto	SOIC-8	Sample	TJA1044GT/3,TCAN1044V-Q1
CL1044GQSOIC8	NC	STB	±42	5	Auto	SOIC-8	Sample	TJA1044T, TJA1044GT
CL1051VQASOIC8	VIO	Slient	±58	5	Auto	SOIC-8	Sample	TJA1051T/3
CL1051GQASOIC8	NC	Slient	±58	5	Auto	SOIC-8	Sample	TJA1051T
CL1042VASOIC8	VIO	STB	±58	5	Industrial	SOIC-8	Sample	TJA1042T/3
CL1042GSOIC8	NC	STB	±58	5	Industrial	SOIC-8	Sample	TCAN1042G
CL1044VASOIC8	VIO	STB	±42	5	Industrial	SOIC-8	Sample	TJA1044GT/3,TCAN1044V
CL1044GSOIC8	NC	STB	±42	5	Industrial	SOIC-8	Sample	TJA1044T, TJA1044GT
CL1051VASOIC8	VIO	Slient	±58	5	Industrial	SOIC-8	Sample	TJA1051T/3
CL1051GASOIC8	NC	Slient	±58	5	Industrial	SOIC-8	Sample	TJA1051T

音视频
Audio & Video

Order Number	Input	PVDD	Output Power (typ)(W)	Over-Current threshold (typ) (A)	Fs (typ) (kHz)	Rating	Package	Status	Competitor
供货型号	输入模式	供电电压	最大输出功率	过流保护门限	输入采样率	等级	封装	状态	竞品
AU6815ATSSOP28P	Digital-Input	4.5V-21V	2*25W	6.5A	32k-192kHz	Consumer	TSSOP-28	Production	TAS5805M, ACM8625
AU6815PATSSOP28P	Digital-Input	4.5V-25V	2*25W	6.5A	32k-192kHz	Consumer	TSSOP-28	Production	TAS5805M, ACM8625
AU6825AQFN32	Digital-Input	4.5V-25V	2*30W	6.5A	32k-192kHz	Consumer	QFN-32	Production	TAS5825M
AU3138MATSSOP28P	Analog-Input	8-14.5V	2*15W	4A	NA	Consumer	TSSOP-28PP	Production	OB6228, HAA3603
AU3138SATSSOP28P	Analog-Input	3.5-14.5V	2*15W	4A	NA	Consumer	TSSOP-28PP	Production	TPA3138, OB6228, HAA3603
AU3108MASOP16P	Analog-Input	8-14.5V	2*15W	4A	NA	Consumer	SOP16P	Production	OB6228BP, HAA3601
AU3108NASOP16P	Analog-Input	8-14.5V	2*15W	4A	NA	Consumer	SOP16P	Production	OB6228BP, HAA3601

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