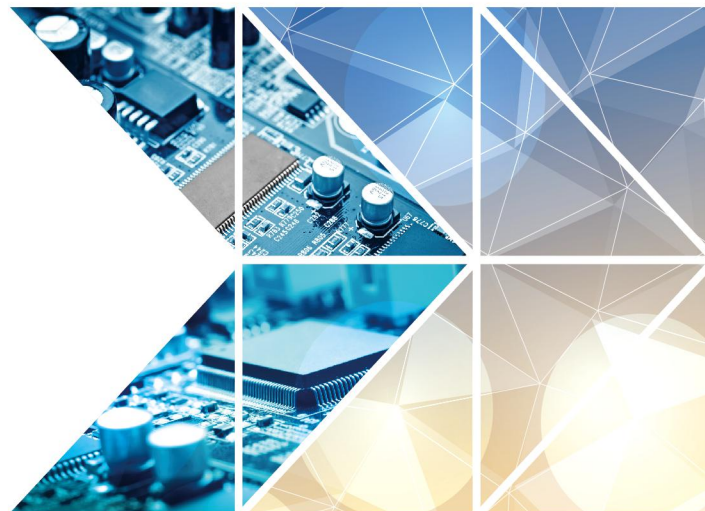




Product Selection Guide

产品选型手册

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江苏润石科技有限公司
Jiangsu Runic Technology Co.,Ltd

润石科技简介

江苏润石科技有限公司（以下简称“润石科技”）成立于2014年8月，是一家专注于高性能、高品质模拟/混合信号集成电路研发和销售的高科技公司。润石科技总部位于无锡市，在美国硅谷设有研发中心，在深圳设有市场销售和技术服务中心。润石科技的核心骨干来自于欧美著名集成电路公司的资深技术专家，在设计开发、生产制造方面有着多年丰富的量产经验，建立了完善的产品开发平台和品质管理体系！历经多年，润石科技已完成多个领域的芯片设计和研发，主要有运算放大器、模拟开关、电源管理、数据转换器等等，产品广泛应用于工业控制、医疗设备、安防监控设备，仪器仪表，汽车电子，智能家居以及消费类电子等众多领域。

无锡研发中心，扎根本土，服务中国。主要是依托无锡市良好的集成电路产业环境，整合上下游优势资源，致力于物联网传感、工业电子、医疗电子和消费类电子的产品研发设计，已成功推出百余款产品。

美国硅谷研发中心，立足硅谷，面向全球。主要是依托于硅谷优秀的产业环境和人才库。致力于高端市场的模拟/混合信号产品研发，成功开发出高精度模数转换器，应用于工业级电子秤、脑电感应检测等。

深圳市场销售和技术服务中心，通过几年的耕耘，逐渐形成了较为成熟的国内外市场销售体系和健全完善的售前、售中、售后技术服务体系，拥有多家国内外行业标杆企业客户。同时也建立了有效的快速反应机制，及时了解客户需求、市场前景和行业趋势。

润石科技始终坚持“以人为本、自主创新、品质至上、贴近市场、服务客户、回馈社会”为公司的核心价值，不断地推出具备更强竞争力和良好市场前景的模拟/混合信号芯片产品，携手客户共同发展，共创辉煌，矢志成为国际一流集成电路设计企业！

RUNIC OVERVIEW

Jiangsu RUNIC Technology Com Ltd., (hereinafter referred to as the “RUNIC”), established in August of 2014, is a high-tech company focusing on Research & Development and sales of analog/mixed-signal integrated circuit with high performance and high quality. RUNIC headquarter is located in Wuxi; the R&D center lies in Silicon Valley of USA; the market and technology service center is set in Shenzhen. The key staffs are senior technical experts from famous IC companies who have rich mass production experiences in design, R&D and manufacturing. A perfect platform for product R&D and quality management system has been established. After years of development, RUNIC has completed the design and development of chips in many fields, mainly including operational amplifiers, analog switches, power management, data conversion and etc. These products are widely used in industrial control, medical equipment, security monitoring equipment, instruments and apparatus, automotive electronics, smart home appliance and consumer electronics and many other fields.

Wuxi R&D center takes root in the native place and serves China. Relying on the favorable IC industry environment, it is committed to design and R&D of the object link sensing, industrial electronics, medical electronics and consumer electronics by integrating the upstream and downstream resources. Hundreds of products have been successfully launched.

The R&D center in Silicon Valley is based on Silicon Valley and faces the world. Relying on the excellent industrial environment and talent pool in Silicon Valley, it is committed to the R&D of analog/mixed-signal products in high-end market. High-precision ADC has been developed to apply to industrial electronic scales and electroencephalography induction detection etc.

Shenzhen market and technology service center gradually established a relatively mature domestic and overseas market system, and a sound and perfect pre-sale, in-sale and after-sale technology service system through years of cultivation. Many benchmarking enterprises at home and abroad have become our customers. Meanwhile, an efficient and quick-response mechanism has been established to timely understand customer needs, market prospects and industry trends.

RUNIC always takes the “people-oriented, self-innovation, quality first, close to the market, serving customers and repaying society” as its core value and constantly launches analog/mixed-signal IC products with stronger competence and good market prospects. We join hands with customers to achieve common development and resplendence. We are dedicated to be an international first-class integrated circuit design enterprise.

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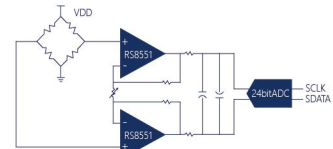
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运算放大器和比较器 [Operational Amplifier And Comparator]

润石科技为客户提供类型广泛的运算放大器和比较器，能够更好地满足客户不同种类的应用需求。主要包括精密运算放大器、高速运算放大器、低噪声运算放大器、低失调电压运算放大器、低功耗运算放大器、高压高精度运算放大器、专用运算放大器、低功耗比较器和高速比较器系列产品，具有高品质、高性能、选型丰富等特点，广泛应用于医疗电子，汽车电子，工业控制，智能家居和消费电子等领域。

RUNIC Technology Co., Ltd provides customers with a wide range of operational amplifiers and comparators, which can better meet customers' different application requirements. These products mainly include High Precision Operational Amplifier, High Speed Operational Amplifier, Low Noise Operational Amplifier, Low Offset Voltage Operational Amplifier, Nano Power Operational Amplifier, High Voltage High Precision Operational Amplifier, Customized Operational Amplifier, Micro Power Comparator, and serial product etc. All these products have the characteristics of high quality, high performance, selection of rich, and are widely used in medical electronics, automotive electronics, industrial control, smart home and consumer electronics and other fields.



精密运算放大器 | Precise Operational Amplifier

Part Number	Amplifiers per Package	Vos(Offset Voltage) Max@25°C (uV)	TC of Vos (uV/°C)	IB Typ (pA)	Enoise 0.01Hz~10Hz (uVpp)	Rail-to-Rail I/O	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Iq/Amp Typ (uA)	Additional Feature	Enoise Typ@1kHz (nV/√Hz)	AoI Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (°C)	Package
RS8511	1	40	0.005	50	1.6	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	70	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8512	2	40	0.005	50	1.6	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	70	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8513	2	40	0.005	50	1.6	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened,Shutdown	70	130	130	-40 to 125	MSOP-10
RS8514	4	40	0.005	50	1.6	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	70	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8521	1	5	0.005	10	3.2	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	140	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8522	2	5	0.005	10	3.2	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	140	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8523	2	5	0.005	10	3.2	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened,Shutdown	140	130	130	-40 to 125	MSOP-10
RS8524	4	5	0.005	10	3.2	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	140	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8531	1	5	0.005	50	0.9	In,Out	2.5	5.5	2.5	1.65	340	EMI Hardened	45	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8532	2	5	0.005	50	0.9	In,Out	2.5	5.5	2.5	1.65	340	EMI Hardened	45	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8533	2	5	0.005	50	0.9	In,Out	2.5	5.5	2.5	1.65	340	EMI Hardened,Shutdown	45	130	130	-40 to 125	MSOP-10
RS8534	4	5	0.005	50	0.9	In,Out	2.5	5.5	2.5	1.65	340	EMI Hardened	45	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8538	1	5	0.005	50	1.3	In,Out	2.5	5.5	1.6	0.7	180	EMI Hardened	60	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8539	2	5	0.005	50	1.3	In,Out	2.5	5.5	1.6	0.7	180	EMI Hardened	60	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8551	1	5	0.005	50	0.75	In,Out	2.7	5.5	4.5	2.7	640	EMI Hardened	35	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8552	2	5	0.005	50	0.75	In,Out	2.7	5.5	4.5	2.7	640	EMI Hardened	35	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8553	2	5	0.005	50	0.75	In,Out	2.7	5.5	4.5	2.7	640	EMI Hardened,Shutdown	35	130	130	-40 to 125	MSOP-10
RS8554	4	5	0.005	50	0.75	In,Out	2.7	5.5	4.5	2.7	640	EMI Hardened	35	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8557	1	50	0.03	50	0.93	In,Out	2.7	5.5	4.3	2.5	650	EMI Hardened	35	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8558	2	50	0.03	50	0.93	In,Out	2.7	5.5	4.3	2.5	650	EMI Hardened	35	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8559	4	50	0.03	50	0.93	In,Out	2.7	5.5	4.3	2.5	650	EMI Hardened	35	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8501	1	20	0.05	5	25	In,Out	2.2	5.5	0.015	0.01	5	EMI Hardened	—	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8502	2	20	0.05	5	25	In,Out	2.2	5.5	0.015	0.01	5	EMI Hardened	—	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8503	2	20	0.05	5	25	In,Out	2.2	5.5	0.015	0.01	5	EMI Hardened,Shutdown	—	130	130	-40 to 125	MSOP-10
RS8504	4	20	0.05	5	25	In,Out	2.2	5.5	0.015	0.01	5	EMI Hardened	—	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8561	1	5	0.005	50	0.6	In,Out	2.9	5.5	11	7.5	1250	EMI Hardened	33	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5

精密运算放大器 | Precise Operational Amplifier

Part Number	Amplifiers per Package	Vos(Offset Voltage) Max@25°C (uV)	TC of Vos Typ (uV/°C)	IB Typ (pA)	Enoise 0.01Hz~10Hz (uVpp)	Rail-to-Rail I/O	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Iq/Amp Typ (uA)	Additional Feature	Enoise Typ@1kHz (nV/√Hz)	Acl Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (°C)	Package
RS8562	2	5	0.005	50	0.6	In,Out	2.9	5.5	11	7.5	1250	EMI Hardened	33	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8563	2	5	0.005	50	0.6	In,Out	2.9	5.5	11	7.5	1250	EMI Hardened,Shutdown	33	130	130	-40 to 125	MSOP-10
RS8564	4	5	0.005	50	0.6	In,Out	2.9	5.5	11	7.5	1250	EMI Hardened	33	130	130	-40 to 125	SOIC-14,TSSOP-14

高速运算放大器 | High-Speed Operational Amplifier

Part Number	Amplifiers per Package	GBW Typ (MHz)	Shutdown	Total Supply Voltage (Min)	Total Supply Voltage (Max)	Vos Max@25°C (mV)	Iq/Amp Typ (mA)	IB Typ (pA)	Slew Rate Typ (V/us)	Enoise Typ@1kHz (nV/√Hz)	Operating Temperature Range (°C)	Package
RS8751	1	250	N	2.5	5.5	7.5	2.9	1	180	8	-40 to 125	SOT23-5,SOIC-8,SC70-5,TDFN2X2-6L
RS8752	2	250	N	2.5	5.5	7.5	2.9	1	180	8	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS8754	4	250	N	2.5	5.5	7.5	2.9	1	180	8	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L
RS8761	1	500	N	2.5	5.5	8	8.2	6	420	5.6	-40 to 125	SOT23-5,SOIC-8,SC70-5,TDFN2X2-6L
RS8762	2	500	N	2.5	5.5	8	8.2	6	420	5.6	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS8764	4	500	N	2.5	5.5	8	8.2	6	420	5.6	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L
RS8701	1	50	N	2.7	5.5	8	2.3	6	100	8.7	-40 to 125	SOT23-5,SOIC-8,SC70-5,TDFN2X2-6L
RS8702	2	50	N	2.7	5.5	8	2.3	6	100	8.7	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS8704	4	50	N	2.7	5.5	8	2.3	6	100	8.7	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L

通用运算放大器 | General Operational Amplifier

Part Number	Amplifiers per Package	Vos Max@25°C (mV)	Iq/Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/ms)	Rail-to-Rail I/O	TC of Vos Typ (V/°C)	Enoise Typ@1kHz (nV/√Hz)	IB Typ (pA)	Acl Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS121	1	5	12	2.5	5.5	0.15	50	In,Out	3.1	77	1	110	95	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8,TDFN2X2-6L
RS121S	1	5	12	2.5	5.5	0.15	50	In,Out	3.1	77	1	110	95	Shutdown	-40 to 125	SOT23-6,SOIC-8,TDFN2X2-6L
RS122	2	5	12	2.5	5.5	0.15	50	In,Out	3.1	77	1	110	95	—	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS122S	2	5	12	2.5	5.5	0.15	50	In,Out	3.1	77	1	110	95	Shutdown	-40 to 125	MSOP-10,TDFN2X2-8L
RS124	4	5	12	2.5	5.5	0.15	50	In,Out	3.1	77	1	110	95	—	-40 to 125	SOIC-14,TSSOP-14,TDFN3X2-14L,TQFN3X3-16L
RS221	1	3.5	26	2.5	5.5	0.5	180	In,Out	2.9	30	1	110	90	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8,TDFN2X2-6L
RS221S	1	3.5	26	2.5	5.5	0.5	180	In,Out	2.9	30	1	110	90	Shutdown	-40 to 125	SOT23-6,SOIC-8,TDFN2X2-6L
RS222	2	3.5	26	2.5	5.5	0.5	180	In,Out	2.9	30	1	110	90	—	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS222S	2	3.5	26	2.5	5.5	0.5	180	In,Out	2.9	30	1	110	90	Shutdown	-40 to 125	MSOP-10,TDFN2X2-8L

通用运算放大器 | General Operational Amplifier

Part Number	Amplifiers per Package	Vos Max@25°C (mV)	I _a /Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/ms)	Rail-to-Rail I/O	TC of Vos Typ (uV/°C)	E _{noise} Typ@1kHz (nV/√Hz)	I _B Typ (pA)	A _{OL} Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS224	4	3.5	26	2.5	5.5	0.5	180	In,Out	2.9	30	1	110	90	—	-40 to 125	SOIC-14,TSSOP-14, TDFN3X2-14L,TFN3X3-16L
RS321	1	4.5	60	2.5	5.5	1.1	500	In,Out	2.9	23	10	100	80	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8, TDFN2X2-6L
RS321S	1	4.5	60	2.5	5.5	1.1	500	In,Out	2.9	23	10	100	80	Shutdown	-40 to 125	SOT23-6,SOIC-8,TFDN2X2-6L
RS358	2	4.5	60	2.5	5.5	1.1	500	In,Out	2.9	23	10	100	80	—	-40 to 125	SOIC-8,MSOP-8,TSSOP-8, TDFN2X2-8L
RS358S	2	4.5	60	2.5	5.5	1.1	500	In,Out	2.9	23	10	100	80	Shutdown	-40 to 125	MSOP-10,TFDN2X2-8L
RS324	4	4.5	60	2.5	5.5	1.1	500	In,Out	2.9	23	10	100	80	—	-40 to 125	SOIC-14,TSSOP-14, TDFN3X2-14L,TFN3X3-16L
RS6331	1	3	58	2.5	5.5	1.1	500	In,Out	2	22	1	110	90	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8, TDFN2X2-6L
RS6331S	1	3	58	2.5	5.5	1.1	500	In,Out	2	22	1	110	90	Shutdown	-40 to 125	SOT23-6,SOIC-8,TFDN2X2-6L
RS6332	2	3	58	2.5	5.5	1.1	500	In,Out	2	22	1	110	90	—	-40 to 125	SOIC-8,MSOP-8,TSSOP-8, TDFN2X2-8L
RS6332S	2	3	58	2.5	5.5	1.1	500	In,Out	2	22	1	110	90	Shutdown	-40 to 125	MSOP-10,TFDN2X2-8L
RS6334	4	3	58	2.5	5.5	1.1	500	In,Out	2	22	1	110	90	—	-40 to 125	SOIC-14,TSSOP-14, TDFN3X2-14L,TFN3X3-16L

低噪声运算放大器 | Low Noise Operational Amplifier

Part Number	Amplifiers per Package	E _{noise} Typ@1kHz (nV/√Hz)	GBW Typ (MHz)	Slew Rate Typ (V/us)	I _a /Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	Rail-to-Rail I/O	Vos Max@25°C (mV)	TC of Vos Typ (uV/°C)	I _B Typ (pA)	A _{OL} Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS521	1	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8, TDFN2X2-6L
RS521S	1	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	Shutdown	-40 to 125	SOT23-6,SOIC-8,TFDN2X2-6L
RS522	2	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOIC-8,MSOP-8,TFDN2X2-8L
RS522S	2	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	Shutdown	-40 to 125	MSOP-10,TFDN2X2-8L
RS524	4	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOIC-14,TSSOP-14, TDFN3X2-14L,TFN3X3-16L
RS621	1	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8, TDFN2X2-6L
RS621S	1	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	Shutdown	-40 to 125	SOT23-6,SOIC-8,TFDN2X2-6L
RS622	2	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOIC-8,MSOP-8,TFDN2X2-8L
RS622S	2	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	Shutdown	-40 to 125	MSOP-10,TFDN2X2-8L
RS624	4	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOIC-14,TSSOP-14, TDFN3X2-14L,TFN3X3-16L
RS721	1	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOIC-8,MSOP-8,MSOP-8, TDFN2X2-6L
RS721S	1	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	Shutdown	-40 to 125	SOT23-6,SOIC-8,TFDN2X2-6L
RS722	2	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOIC-8,MSOP-8,TFDN2X2-8L
RS722S	2	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	Shutdown	-40 to 125	MSOP-10,TFDN2X2-8L
RS724	4	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOIC-14,TSSOP-14, TDFN3X2-14L,TFN3X3-16L

低噪声运算放大器 | Low Noise Operational Amplifier

Part Number	Amplifiers per Package	E_{noise} Typ@1kHz (nV/√Hz)	GBW Typ (MHz)	Slew Rate Typ (V/μs)	I_q /Amp Typ (μA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	Rail-to-Rail I/O	V_{os} Max@25°C (mV)	TC of V_{os} Typ (μV/°C)	IB Typ (pA)	A_{ol} Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS821	1	7	14	10	1900	2.5	5.5	In,Out	3	1.6	1	100	88	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8, TDFN2X2-6L
RS821S	1	7	14	10	1900	2.5	5.5	In,Out	3	1.6	1	100	88	Shutdown	-40 to 125	SOT23-6,SOIC-8,TDFN2X2-6L
RS822	2	7	14	10	1900	2.5	5.5	In,Out	3	1.6	1	100	88	—	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS822S	2	7	14	10	1900	2.5	5.5	In,Out	3	1.6	1	100	88	Shutdown	-40 to 125	MSOP-10,TDFN2X2-8L
RS824	4	7	14	10	1900	2.5	5.5	In,Out	3	1.6	1	100	88	—	-40 to 125	SOIC-14,TSSOP-14, TDFN3X2-14L,TDFN3X3-16L

低失调电压运算放大器 | Low Offset Operational Amplifier

Part Number	Amplifiers per Package	V_{os} Max@25°C (mV)	GBW Typ (MHz)	Slew Rate Typ (V/μs)	I_q /Amp Typ (μA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	Rail-to-Rail I/O	E_{noise} Typ@1kHz (nV/√Hz)	TC of V_{os} Typ (μV/°C)	IB Typ (pA)	A_{ol} Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (°C)	Package
RS121P	1	0.5	0.15	0.05	6.9	1.8	5.5	In,Out	77	3.1	10	110	95	-40 to 125	SOT23-5,SC70-5,SOIC-8, MSOP-8,TDFN2X2-6L
RS122P	2	0.5	0.15	0.05	6.9	1.8	5.5	In,Out	77	3.1	10	110	95	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS124P	4	0.8	0.15	0.05	6.9	1.8	5.5	In,Out	77	3.1	10	110	95	-40 to 125	SOIC-14,TSSOP-14, TDFN3X3-16L,TDFN3X2-14L
RS221P	1	0.5	0.5	0.18	26	1.8	5.5	In,Out	30	2.9	10	110	90	-40 to 125	SOT23-5,SC70-5,SOIC-8, MSOP-8,TDFN2X2-6L
RS222P	2	0.5	0.5	0.18	26	1.8	5.5	In,Out	30	2.9	10	110	90	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS224P	4	0.8	0.5	0.18	26	1.8	5.5	In,Out	30	2.9	10	110	90	-40 to 125	SOIC-14,TSSOP-14, TDFN3X3-16L,TDFN3X2-14L
RS6331P	1	0.5	1.1	0.5	80	2.5	5.5	In,Out	22	2	10	110	90	-40 to 125	SOT23-5,SC70-5,SOIC-8, MSOP-8,TDFN2X2-6L
RS6332P	2	0.5	1.1	0.5	80	2.5	5.5	In,Out	22	2	10	110	90	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS6334P	4	0.8	1.1	0.5	80	2.5	5.5	In,Out	22	2	10	110	90	-40 to 125	SOIC-14,TSSOP-14, TDFN3X3-16L,TDFN3X2-14L
RS521P	1	0.5	3.6	1.8	272	2.5	5.5	In,Out	15	2	10	110	87	-40 to 125	SOT23-5,SC70-5,SOIC-8, MSOP-8,TDFN2X2-6L
RS522P	2	0.5	3.6	1.8	272	2.5	5.5	In,Out	15	2	10	110	87	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS524P	4	0.8	3.6	1.8	272	2.5	5.5	In,Out	15	2	10	110	87	-40 to 125	SOIC-14,TSSOP-14, TDFN3X3-16L,TDFN3X2-14L
RS621P	1	0.5	7	3.7	650	2.5	5.5	In,Out	11	2	10	106	92	-40 to 125	SOT23-5,SC70-5,SOIC-8, MSOP-8,TDFN2X2-6L
RS622P	2	0.5	7	3.7	650	2.5	5.5	In,Out	11	2	10	106	92	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS624P	4	0.8	7	3.7	650	2.5	5.5	In,Out	11	2	10	106	92	-40 to 125	SOIC-14,TSSOP-14, TDFN3X3-16L,TDFN3X2-14L
RS721P	1	0.5	10	7	1150	2.5	5.5	In,Out	9.5	2.6	10	96	85	-40 to 125	SOT23-5,SC70-5,SOIC-8, MSOP-8,TDFN2X2-6L
RS722P	2	0.5	10	7	1150	2.5	5.5	In,Out	9.5	2.6	10	96	85	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS724P	4	0.8	10	7	1150	2.5	5.5	In,Out	9.5	2.6	10	96	85	-40 to 125	SOIC-14,TSSOP-14, TDFN3X3-16L,TDFN3X2-14L
RS821P	1	0.5	14	10	1900	2.5	5.5	In,Out	7	1.6	10	100	88	-40 to 125	SOT23-5,SC70-5,SOIC-8, MSOP-8,TDFN2X2-6L
RS822P	2	0.5	14	10	1900	2.5	5.5	In,Out	7	1.6	10	100	88	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS824P	4	0.8	14	10	1900	2.5	5.5	In,Out	7	1.6	10	100	88	-40 to 125	SOIC-14,TSSOP-14, TDFN3X3-16L,TDFN3X2-14L

纳安功耗运算放大器 | Nano Power Operational Amplifier

Part Number	Amplifiers per Package	Iq/Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBP Typ (KHz)	Slew Rate Typ (V/ms)	E _{noise} Typ@1kHz (nV/√Hz)	V _{os} Max@25°C (mV)	TC of V _{os} Typ (uV/°C)	I _B Typ (pA)	A _{OL} Typ (dB)	CMRR Typ (dB)	Rail-to-Rail I/O	Operating Temperature Range (°C)	Package
RS8021	1	0.35	1.4	5.5	5	1.5	190	3	2.3	1	105	90	Yes	-40 to 125	SOT23-5,SC70-5
RS8022	2	0.35	1.4	5.5	5	1.5	190	3	2.3	1	105	90	Yes	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8024	4	0.35	1.4	5.5	5	1.5	190	3	2.3	1	105	90	Yes	-40 to 125	SOIC-14,TSSOP-14
RS8031	1	0.67	1.4	5.5	15	7.5	160	3	2.3	1	106	90	Yes	-40 to 125	SOT23-5,SC70-5
RS8032	2	0.67	1.4	5.5	15	7.5	160	3	2.3	1	106	90	Yes	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8034	4	0.67	1.4	5.5	15	7.5	160	3	2.3	1	106	90	Yes	-40 to 125	SOIC-14,TSSOP-14
RS8051	1	0.67	1.4	5.5	100	30	160	3	2.3	1	108	90	Yes	-40 to 125	SOT23-5,SC70-5
RS8052	2	0.67	1.4	5.5	100	30	160	3	2.3	1	108	90	Yes	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8054	4	0.67	1.4	5.5	100	30	160	3	2.3	1	108	90	Yes	-40 to 125	SOIC-14,TSSOP-14

* 高压通用放大器 | High Voltage General Operational Amplifier

Part Number	Amplifiers per Package	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Rail-to-Rail I/O	V _{os} Max@25°C (mV)	TC of V _{os} Typ (uV/°C)	Iq/Amp Typ (uA)	E _{noise} Typ@1kHz (nV/√Hz)	I _B Typ (pA)	A _{OL} Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS07	2	4	36	1.1	1	Out	0.5	0.5	230	22	1	110	90	—	-40 to 125	SOIC-8,MSOP-8
RS8401	1	4	36	2.4	1.9	Out	3.5	2.9	350	30	1	110	90	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8
RS8402	2	4	36	2.4	1.9	Out	3.5	2.9	350	30	1	110	90	—	-40 to 125	SOIC-8,MSOP-8
RS8404	4	4	36	2.4	1.9	Out	3.5	2.9	350	30	1	110	90	—	-40 to 125	SOIC-14,TSSOP-14
RS8411	1	4	36	7.5	5.8	Out	3	2	1000	11	1	106	92	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8
RS8412	2	4	36	7.5	5.8	Out	3	2	1000	11	1	106	92	—	-40 to 125	SOIC-8,MSOP-8
RS8414	4	4	36	7.5	5.8	Out	2	2	1000	11	1	106	92	—	-40 to 125	SOIC-14,TSSOP-14
RS8421	1	4	36	11	13	Out	2.5	2.4	2300	7	1	108	94	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8
RS8422	2	4	36	11	13	Out	2.5	2.4	2300	7	1	108	94	—	-40 to 125	SOIC-8,MSOP-8
RS8424	4	4	36	11	13	Out	2.5	2.4	2300	7	1	108	94	—	-40 to 125	SOIC-14,TSSOP-14

高压高精度放大器 | High Voltage Precision Operational Amplifier

Part Number	Amplifiers per Package	V _{os} (Offset Voltage) Max@25°C (uV)	TC of V _{os} Typ (uV/°C)	I _B Typ (pA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Rail-to-Rail I/O	Iq/Amp Typ (uA)	Additional Feature	E _{noise} 0.01Hz-10Hz (uVpp)	E _{noise} Typ@1kHz (nV/√Hz)	A _{OL} Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (°C)	Package
RS8651	1	20	0.01	500	4	36	4.5	5.8	Out	800	EMI Hardened	0.75	35	130	130	-40 to 125	SOIC-8,MSOP-8
RS8652	2	20	0.01	500	4	36	4.5	5.8	Out	800	EMI Hardened	0.75	35	130	130	-40 to 125	SOIC-8,MSOP-8
RS8654	4	20	0.01	500	4	36	4.5	5.8	Out	800	EMI Hardened	0.75	35	130	130	-40 to 125	SOIC-14,TSSOP-14

电流增强型运算放大器 | Current-enhanced operational amplifier

Part Number	Amplifiers per Package	Output		Slew Rate Typ (V/us)	I _q /Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	Rail-to-Rail I/O	V _{os} Max@25°C (mV)	TC of V _{os} Typ (uV/°C)	I _B Typ (pA)	A _{OL} Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (°C)	Package
		Short Current Typ@25°C (mA)	GBW Typ (MHz)												
RS6331K	1	150	1.1	0.5	80	2.5	5.5	In,Out	3	2	10	110	90	-40 to 125	SOT23-5,SC70-5,SOIC-8,MSOP-8,PDFN2X2-6L
RS6332K	2	150	1.1	0.5	80	2.5	5.5	In,Out	3	2	10	110	90	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,PDFN2X2-8L
RS6334K	4	150	1.1	0.5	80	2.5	5.5	In,Out	3	2	10	110	90	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L,PDFN3X2-14L
RS521K	1	150	3.6	1.8	272	2.5	5.5	In,Out	3	2	10	110	87	-40 to 125	SOT23-5,SC70-5,SOIC-8,MSOP-8,PDFN2X2-6L
RS522K	2	150	3.6	1.8	272	2.5	5.5	In,Out	3	2	10	110	87	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,PDFN2X2-8L
RS524K	4	150	3.6	1.8	272	2.5	5.5	In,Out	3	2	10	110	87	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L,PDFN3X2-14L
RS621K	1	150	7	3.7	650	2.5	5.5	In,Out	3	2	10	106	92	-40 to 125	SOT23-5,SC70-5,SOIC-8,MSOP-8,PDFN2X2-6L
RS622K	2	150	7	3.7	650	2.5	5.5	In,Out	3	2	10	106	92	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,PDFN2X2-8L
RS624K	4	150	7	3.7	650	2.5	5.5	In,Out	3	2	10	106	92	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L,PDFN3X2-14L
RS721K	1	150	10	7	1150	2.5	5.5	In,Out	2.5	2.6	10	96	85	-40 to 125	SOT23-5,SC70-5,SOIC-8,MSOP-8,PDFN2X2-6L
RS722K	2	150	10	7	1150	2.5	5.5	In,Out	2.5	2.6	10	96	85	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,PDFN2X2-8L
RS724K	4	150	10	7	1150	2.5	5.5	In,Out	2.5	2.6	10	96	85	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L,PDFN3X2-14L
RS821K	1	150	14	10	1900	2.5	5.5	In,Out	3	1.6	10	100	88	-40 to 125	SOT23-5,SC70-5,SOIC-8,MSOP-8,PDFN2X2-6L
RS822K	2	150	14	10	1900	2.5	5.5	In,Out	3	1.6	10	100	88	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,PDFN2X2-8L
RS824K	4	150	14	10	1900	2.5	5.5	In,Out	3	1.6	10	100	88	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L,PDFN3X2-14L
RS321K	1	150	1	0.45	85	2.5	5.5	In,Out	4.5	2	10	100	85	-40 to 125	SOT23-5,SC70-5,SOIC-8,MSOP-8,PDFN2X2-6L
RS358K	2	150	1	0.45	85	2.5	5.5	In,Out	4.5	2	10	100	85	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,PDFN2X2-8L
RS324K	4	150	1	0.45	85	2.5	5.5	In,Out	4.5	2	10	100	85	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L,PDFN3X2-14L

专用运算放大器 | Application-Specific Operational Amplifier

Part Number	Amplifiers per Package	V _{os} Max@25°C (mV)	Ref (V)	Gain (V/V)	I _q /Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBP Typ (MHz)	Slew Rate Typ (V/us)	E _{noise} Typ@1kHz (nV/√Hz)	TC of V _{os} Typ (uV/°C)	I _B Typ (pA)	A _{OL} Typ (dB)	CMRR Typ (dB)	Rail-to-Rail I/O	Operating Temperature Range (°C)	Package
RS6331R	1	1	1.2	—	80	2	5.5	1.1	0.5	22	2	1	110	90	In,Out	-40 to 125	SOT23-6
RS6336	6	1	—	—	80	2	5.5	1.1	0.5	22	2	1	110	90	In,Out	-40 to 125	TQFN3X3-20L
RS633Q	12	1	—	—	80	2	5.5	1.1	0.5	22	2	1	110	90	In,Out	-40 to 125	TQFN5X5-40L
RS6331G	1	1	—	1-50	80	2	5.5	1.1	0.5	22	2	1	110	90	In,Out	-40 to 125	SOT23-5
RS6332G	2	1	—	1-50	80	2	5.5	1.1	0.5	22	2	1	110	90	In,Out	-40 to 125	SOIC-8
RS621G	1	1	—	1-50	650	2.5	5.5	7	3.7	11	2	1	106	92	In,Out	-40 to 125	SOT23-5
RS721G	1	1	—	1-50	1150	2.5	5.5	10	7	9.5	2.6	1	96	85	In,Out	-40 to 125	SOT23-5
RS821G	1	1	—	1-50	1900	2.5	5.5	14	10	7	1.6	1	100	88	In,Out	-40 to 125	SOT23-5

仪表放大器 | Instrumentation Amplifier

Part Number	Common Mode Voltage (Max) (V)	Common Mode Voltage (Min) (V)	Input Offset (+-/)(Max) (μ V)	Input Offset Drift (+-/)(Typ) (μ V/C)	Gain (V/V)	Gain Error (%)	CMRR (Min) (dB)	Bandwidth (kHz)	Supply Voltage (Max) (V)	Supply Voltage (Min) (V)	Iq (Max) (V)	Operating Temperature Range (°C)	Package
RS199	36	-0.1	150	0.1	50,100,200	1	100	80,30,14	36	2.7	0.115	-40 to 125	SC70-6,QFN1.4x1.8-10L
RS620	36	3	150	2	110,100,1000	0.15	120	800,120,12,1	36	2.7	0.2	-40 to 125	SOIC-8

低功耗比较器 | Nano Power Comparator

Part Number	Number of Channels (#)	Iq per channel (Max) (nA)	Latch Enable	Vs (Min) (V)	Vs (Max) (V)	Vos (Offset Voltage @ 25°C) (Max) (mV)	Propagation Delay (L to H) (μ s)	Propagation Delay (H to L) (μ s)	t _{low} (ns)	t _{high} (ns)	Output Type	Operating Temperature Range (°C)	Package
RS8901	1	350	N	1.4	5.5	3	33	6	85	60	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8902	1	350	N	1.4	5.5	3	33	6	85	NA	Open-Drain (PFET)	-40 to 125	SOT23-5,SC70-5
RS8903	1	350	Y	1.4	5.5	3	33	6	85	60	Push-Pull	-40 to 125	SOT23-6
RS8905	2	350	N	1.4	5.5	3	33	6	85	60	Push-Pull	-40 to 125	SOIC-8,MSOP-8
RS8907	1	350	N	1.4	5.5	3	33	6	85	60	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8909	1	350	N	1.4	5.5	3	—	5	NA	36	Open-Drain (NFET)	-40 to 125	SOT23-5,SC70-5

* 高速比较器 | High Speed Comparator

Part Number	Comparators per Package	Iq/Comp Typ (μ A)	t _H to L @Vcc=5V (ns)	t _L to H @Vcc=5V (ns)	Rise Time @Vcc=5V (ns)	Fall Time @Vcc=5V (ns)	Vos Max@25°C (mV)	Vcc (V)	Input Common Mode Voltage Range(V)	Logic Output	Rail-to-Rail Output	Operating Temperature Range (°C)	Package
RS8904	1	155	20	25	8	5	5	2.7~5.5	-0.1~Vs+0.1	Push-Pull	Yes	-40 to 125	SOT23-5,SC70-5
RS8906	1	1300	6	6	8	6	5	2.7~5.5	-0.1~Vs+0.1	Push-Pull	Yes	-40 to 125	SOT23-5,SC70-5
RS8908	1	22	95	120	8	6	5	2.7~5.5	-0.1~Vs+0.1	Push-Pull	Yes	-40 to 125	SOT23-5,SC70-5
RS8910	2	22	95	120	8	6	5	2.7~5.5	-0.1~Vs+0.1	Push-Pull	Yes	-40 to 125	SOIC-8,MSOP-8
RS8911	1	150	30	22	11	8	5	2.7~5.5	-0.1~Vs-1.2	Push-Pull	Yes	-40 to 125	SOT23-5
RS4541	1	85	—	—	Micropower Amp, Comparator & Ref		2.5	2.5~5.5	-0.1~Vs+0.1	Push-Pull	Yes	-40 to 125	TDFN3x3-8L,MSOP-8,SOIC-8
RS4542	2	85	—	—	Micropower Amp, Comparator & Ref		2.5	2.5~5.5	-0.1~Vs+0.1	Push-Pull	Yes	-40 to 125	TDFN3x3-8L,MSOP-8,SOIC-8

模拟开关 【Analog Switch】

润石科技为客户提供了一系列的低压模拟开关, 包含多种信号范围的单通道和多通道模拟开关产品, 具有低导通阻抗 (低至0.5Ω)、高速、高性能、小封装、选型丰富等特点, 能够更好的满足客户需求。

RUNIC Technology Co.,Ltd provides customers with a series of low voltage analog switch, including a variety of single channel and multi-channel analog switch products, which has a low on-resistance (as low as 0.5 Ω), high speed, high performance, small packaging, rich selection etc., and can better meet customer demand.

模拟开关 | Analog Switch

Part Number	CH	Type	R _{ON} (Ω)	-3dB Bandwidth (MHz)	V _{CC} (Min) (V)	V _{CC} (Max) (V)	I _Q (μA)	V _{DS} (Min) (V)	V _{DS} (Max) (V)	t _{ON} (ns)	t _{OFF} (ns)	Operating Temperature Range (°C)	Package
RS2101	1	1:2	2.5	120	1.8	5.5	1	1.5	0.5	11	30	-40 to 125	SC70-6
RS2102	2	1:2	2.5	120	1.8	5.5	1	1.5	0.5	11	8	-40 to 125	MSOP-10
RS2103	1	1:2	0.8	30	1.8	5.5	1	1.5	0.5	21	9	-40 to 125	SOT 23-6
RS2105	2	1:2	0.8	30	1.8	5.5	1	1.5	0.5	50	15	-40 to 125	TDFN3x3-10L,MSOP-10
RS2057	1	1:2	4.5	300	1.8	5.5	1	1.5	0.5	20	15	-40 to 125	SC70-6,SOT23-6
RS2058	2	1:2	4.5	300	1.8	5.5	1	1.5	0.5	20	15	-40 to 125	MSOP-10
RS2067	1	1:2	9	600	1.8	5.5	1	1.5	0.5	20	15	-40 to 125	SC70-6
RS2099	4	1:2	0.8	30	1.8	5.5	1	1.5	0.5	52	25	-40 to 125	TQFN3x3-16L
RS2117	2	1:2	4	400	2.5	5.5	1	1.5	0.5	15	11	-40 to 85	QFN1.4x1.8-10L
RS2118	2	1:2	0.6	80	2.5	5.5	1	1.5	0.5	17	24	-40 to 85	QFN1.4x1.8-10L
RS2257	1	1:2	0.8	30	1.8	5.5	1	1.5	0.5	56	32	-40 to 125	SC70-6
RS2299	4	1:2	4.5	300	1.8	5.5	1	1.5	0.5	31.5	30	-40 to 125	TQFN3x3-16L
RS2251	1	1:8	48	180	2.5	5.5	1	1.5	0.5	60	70	-40 to 125	TSSOP-16,SOIC-16,TQFN3x3-16L
RS2252	2	1:4	48	180	2.5	5.5	1	1.5	0.5	60	70	-40 to 125	TSSOP-16,SOIC-16,TQFN3x3-16L
RS2253	3	1:2	48	180	2.5	5.5	1	1.5	0.5	60	70	-40 to 125	TSSOP-16,SOIC-16,TQFN3x3-16L
RS2254	4	SPST	24	180	2.5	5.5	1	1.5	0.5	40	100	-40 to 125	TSSOP-14,SOIC-14
RS2323	2	1:2	0.8	30	1.8	5.5	1	1.5	0.5	17	27.5	-40 to 125	QFN1.4x1.8-10L
RS2227	2	1:2	5	550	1.8	5.5	1	1.5	0.5	15	20	-40 to 125	MSOP-10,QFN1.4x1.8-10L
RS2228	2	1:2	5	550	1.8	5.5	1	1.5	0.5	15	20	-40 to 125	MSOP-10,QFN1.4x1.8-10L

线性稳压器【Linear Regulator】

润石科技为客户提供了一系列高性能、低压差、宽范围线性稳压器产品，具有低噪声、低功耗、快速瞬态响应、优异的电压和负载调节能力、输入电压范围宽、输出电压选择多、小封装等特点，能够很好的满足客户的不同需求。

RUNIC Technology Co.,Ltd provides customers with a series of high performance, low dropout and wide range of linear regulator products, featuring low noise, low power consumption, fast transient response, excellent voltage and load regulation ability, wide range of input voltage, multiple choice of output voltage and small package, etc., which can better meet customers' different needs.

高压线性稳压器 | High Voltage Linear Regulator

Part Number	V _{IN} MIN (V)	V _{IN} MAX (V)	Output Current (mA)	Ground Current (No Load) (μA)	Dropout Voltage @I _{OUT} =1mA (mV)	PSRR @1kHz (dB)	Reference Voltage (V)	V _{OUT} (V)	Operating Temperature Range (°C)	Package
RS3001	2.7	36	150	3.5	8	40	0.8	Adj	-40 to 85	SOT23-5
RS3002	2.7	36	150	3.5	8	40	—	1.2,1.8,2.5,3.0,3.3,3.6,5	-40 to 85	SOT23-5,SOT23-6
RS3003	6.3	36	150	12	—	60	—	1.2,1.8,2.5,3.0,3.3,3.6,5	-40 to 85	SOT89-3,SOT23-3,SOT23-5
RS3004	6.3	36	150	10	—	—	—	12	-40 to 85	ESOP-8
RS3005	2.7	36	150	12	8	60	—	1.2,1.5,1.8,2.0,2.4,2.5,2.8,3.0,3.3,3.6,4.0,5.0,5.5	-40 to 85	SOT89-3,SOT23-3,SOT23-5
RS3006	2.7	36	150	12	8	60	—	Adj	-40 to 85	SOT23-5

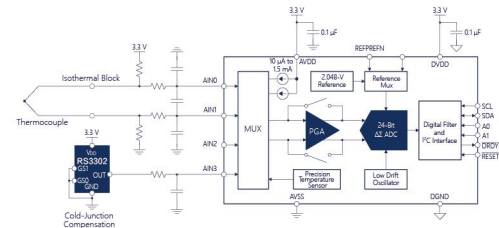
高精度线性稳压器 | High Precision Linear Regulator

Part Number	V _{OUT} (V)	V _{IN} (V)	Output Current (mA)	Dropout Voltage (mV)	Ground Current (No Load) (μA)	Output Voltage Noise (uVrms)	PSRR @1kHz (dB)	Operating Temperature Range (°C)	Package
RS3213	1.2,1.5,1.8,2.5,2.6,2.8,2.85,3.0,3.3	2.5-5.5	300	270	110	140	52	-40 to 85	SOT89-3
RS3219	1.2,1.5,1.8,2.5,2.6,2.8,2.85,3.0,3.3,Adj	2.5-5.5	300	270	100	30	74	-40 to 85	SOT23-3,SOT23-5,SC70-5
RS3220	1.2,1.5,1.8,2.5,2.8,2.85,3.0,3.3	2.5-5.5	300	270	110	30	67	-40 to 85	SOT23-5,SC70-5
RS3221	0.8,1.0,1.2,1.5,1.8,2.05,2.5,2.8,3.0,3.3,3.6,4.0,5.0,Adj	1.7-7.5	300	210	1	—	30	-40 to 85	SOT23-3,TDFN1×1-4L,SOT23-5,SC70-5
RS3236	0.8,1.0,1.2,1.5,1.8,2.05,2.5,2.8,3.0,3.3,3.6,4.0,5.0,Adj	1.7-7.5	300	185	13	30	65	-40 to 85	TDFN1×1-4L,SOT23-5,SC70-5

数据转换器【Data Converters】

润石科技为客户提供了系列化的数据转换器产品，主要包含12位至24位多通道高精度Delta-Sigma ADC，具有低功耗、高精度、自校准等特点，广泛应用于精密仪器仪表、医疗电子、汽车电子、人工智能、航天航空等领域。

RUNIC Technology Co.,Ltd provides customers with serialized data converter products, mainly including 12-bit to 24-bit multi-channel high-precision delta-sigma ADC with low power consumption, high precision and self-calibration, which are widely used in precision instruments, medical electronics, artificial intelligence, aerospace and other fields.



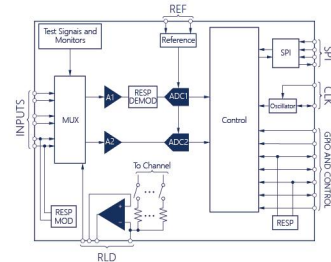
模数转换器 — 精密ADC | Analog-Digital Converter-Precise ADC

Part Number	Resolution (Bits)	Sample Rate (max) (SPS)	# Input Channels	Multi-Channel Configuration	Interface	Integrated Features	Analog Voltage AVDD (Min) (V)	Analog Voltage AVDD (Max) (V)	Architecture	Operating Temperature Range (°C)	Description	Package
RS1259	24	14.4kSPS	1	N/A	SPI	50/60 Hz Rejection, Oscillator	4.75	5.25	Delta-Sigma	-40 to 105	24-Bit, 14.4kSPS, Delta-Sigma ADC	TSSOP
RS1240	24	15SPS	4	Multiplexed	SPI	50/60 Hz Rejection, GPIO, PGA	2.7	5.25	Delta-Sigma	-40 to 85	24-Bit ADC	SSOP
RS1241	24	15SPS	8	Multiplexed	SPI	50/60 Hz Rejection, GPIO, PGA	2.7	5.25	Delta-Sigma	-40 to 85	24-Bit ADC	SSOP
RS1246	24	2kSPS	1	N/A	SPI	50/60 Hz Rejection, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	24-Bit, 2kSPS, 2-Ch ADC	TSSOP
RS1247	24	2kSPS	4	Multiplexed	SPI	50/60 Hz Rejection, Excitation Current Sources (IDACs), GPIO, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	24-Bit, 2kSPS, 4-Ch ADC	TSSOP
RS1248	24	2kSPS	8	Multiplexed	SPI	50/60 Hz Rejection, Excitation Current Sources (IDACs), GPIO, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	24-Bit, 2kSPS, 8-Ch Delta-Sigma ADC	TSSOP
RS1234	24	80SPS	4	Multiplexed	SPI	50/60 Hz Rejection, Oscillator, PGA	2.7	5.3	Delta-Sigma	-40 to 105	24-Bit, Ultra-Low-Noise ADC	TSSOP
RS1232	24	80SPS	2	Multiplexed	SPI	50/60 Hz Rejection, Oscillator, PGA	2.7	5.3	Delta-Sigma	-40 to 105	24-Bit, Ultra-Low-Noise ADC	TSSOP
RS1231	24	80SPS	1	N/A	SPI	50/60 Hz Rejection, Oscillator	3	5.3	Delta-Sigma	-40 to 85	24-Bit, Low-Noise ADC	SOIC
RS1253	24	20kSPS	4	Multiplexed	SPI	50/60 Hz Rejection	4.75	5.25	Delta-Sigma	-40 to 85	24-Bit, 20kHz, Low-Power ADC	SSOP
RS1251	24	20kSPS	1	N/A	SPI	50/60 Hz Rejection	4.75	5.25	Delta-Sigma	-40 to 85	24-Bit, 20kHz, Low-Power ADC	SOIC
RS1220	24	2kSPS	4	Multiplexed	SPI	50/60 Hz Rejection, Excitation Current Sources (IDACs), Oscillator, PGA, Temp Sensor	2.3	5.5	Delta-Sigma	-40 to 125	24-Bit, 2kSPS, 4-Ch, Low-Power Delta-Sigma ADC	TSSOP, VQFN
RS1250	20	25kSPS	1	N/A	SPI	PGA	4.75	5.25	Delta-Sigma	-40 to 85	20-Bit Data Acquisition System ADC	SOIC
RS1230	20	80SPS	1	N/A	SPI	50/60 Hz Rejection, Oscillator, PGA	2.7	5.3	Delta-Sigma	-40 to 85	20-Bit Delta-Sigma ADC for Bridge Sensors	TSSOP
RS1130	18	80SPS	1	N/A	—	50/60 Hz Rejection, Oscillator	2.7	5.3	Delta-Sigma	-40 to 85	18-Bit ADC for Bridge Sensors	TSSOP
RS1120	16	2kSPS	4	Multiplexed	—	50/60 Hz Rejection, Excitation Current Sources (IDACs), Oscillator, PGA, Temp Sensor	2.3	5.5	Delta-Sigma	-40 to 125	16-Bit 2kSPS 4-Ch Low-Power Delta-Sigma ADC	TSSOP, VQFN
RS1148	16	2kSPS	8	Multiplexed	—	50/60 Hz Rejection, Excitation Current Sources (IDACs), GPIO, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	16-Bit 2kSPS 8-Ch ADC With PGA	TSSOP, VQFN
RS1146	16	2kSPS	1	N/A	—	50/60 Hz Rejection, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	16-Bit 2kSPS 1-Ch ADC With PGA for Precision Sensor Measurement	TSSOP
RS1147	16	2kSPS	4	Multiplexed	—	50/60 Hz Rejection, Excitation Current Sources (IDACs), GPIO, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	16-Bit 2kSPS 4-Ch ADC With PGA for Precision Sensor Measurement	TSSOP
RS1100	16	128SPS	1	N/A	—	Oscillator, PGA	2.7	5.5	Delta-Sigma	-40 to 85	16-Bit 128SPS, 1-Ch Delta-Sigma ADC	SOT23

模拟前端 【Analog Front End】

润石科技针对医疗电子市场研发了24位模拟前端RS129X和16位模拟前端RS119X系列产品，主要用于生物电势测量，集合了所有便携式、低功耗医疗心电图（ECG/EEG）和健身应用所需的全部特性，凭借高集成度和高性能，可在降低功耗和整体成本的同时，实现医疗仪表系统的扩建升级。

RUNIC Technology Co.,Ltd developed 24bit analog front-end RS129X and 16bit analog front-end RS119X serial products for medical electronic market, mainly used for biological potential measurement, which integrate all the required features that all portable, low power medical electrocardiogram (ECG/EEG) and fitness applications need. With the high integration and high performance, power consumption and overall cost can be reduced. Meanwhile, medical instrument system can be extended and upgraded.



医疗电子 | Medical Electronics

Part Number	Resolution (Bits)	Sample Rate (max) (SPS)	# Input Channels	Multi-Channel Configuration	Interface	Integrated Features	Analog Voltage AVDD (Min) (V)	Analog Voltage AVDD (Max) (V)	Architecture	Operating Temperature Range (°C)	Description	Package
RS1291	24	8KSPS	1	N/A	SPI	Daisy-Chainable, GPIO, Oscillator, PGA	2.7	5.25	Delta-Sigma	-40 to 85	Complete Low-Power Integrated Analog Front End (AFE) for ECG Applications	TQFP VQFN
RS1292	24	8KSPS	2	Simultaneous Sampling	SPI	Daisy-Chainable, GPIO, Oscillator, PGA	2.7	5.25	Delta-Sigma	-40 to 85	Complete Low-Power Integrated Analog Front End (AFE) for ECG Applications	TQFP VQFN
RS1293	24	25.6KSPS	3	Simultaneous Sampling	SPI	Oscillator	2.7	5.5	Delta-Sigma	-20 to 85	Complete Low-Power Integrated Analog Front End for ECG Applications	WQFN
RS1294	24	32KPS	4	Simultaneous Sampling	SPI	Daisy-Chainable, GPIO, Oscillator, PGA	2.7	5.25	Delta-Sigma	-40 to 85, 0 to 70	4-Channel 24-Bit ADC With Integrated ECG Front End	NFBGA, TQFP
RS1191	16	8KSPS	1	N/A	SPI	Daisy-Chainable, GPIO, Oscillator, PGA	2.7	5.25	Delta-Sigma	-40 to 85	Complete Low Power Integrated Analog Front End for ECG Applications	TQFP VQFN
RS1192	16	8KSPS	2	Simultaneous Sampling	SPI	Daisy-Chainable, GPIO, Oscillator, PGA	2.7	5.25	Delta-Sigma	-40 to 85	Complete Low Power Integrated Analog Front End for ECG Applications	TQFP VQFN

微控制器 【Microcontrollers】

润石科技的微控制器（MCU）拥有一个强大的产品阵容，基于各种MIPS Core、ARM Cortex-M0和ARM Cortex-M4内核的32位RSM32系列，为嵌入式产品开发人员提供丰富的MCU选型资源，帮助客户加快产品开发，缩短上市周期。

RUNIC Technology Co.,Ltd has a strong product lineup based on the 32-bit RSM32 family of various MIPS Core, ARM Cortex-M0 and ARM Cortex-M4 cores, providing rich MCU selection resources for embedded product developers, helping customers speed up product development and shorten the time to market.

微控制器 | Microcontrollers

Part Number	Main Core	Frequency	FLASH	SRAM	No. of IO	BLE	ADC	No of Communication Blocks	No. of Timer/Counter/PWM Blocks	No. of Timer/Counter/PWM Blocks	Operating Temperature Range (°C)	Package
RSM32M010MBT6	MIPS CORE	12MHz	128KB	8KB	16	—	10-bit ADC	2 x UART and 1 x SPI	3	—	-40 to 85	QFP
RSM32S010C8T6	ARM M0+ CORE	48MHz	64KB	8KB	36	—	12-bit SAR, 10-bit CSD	3	5	2	-40 to 85	QFP
RSM32F401VEI6	ARM M4 CORE	50MHz	512KB	160KB	78	Yes	12-bit SAR, 10-bit CSD	9	32	2	-40 to 85	BGA