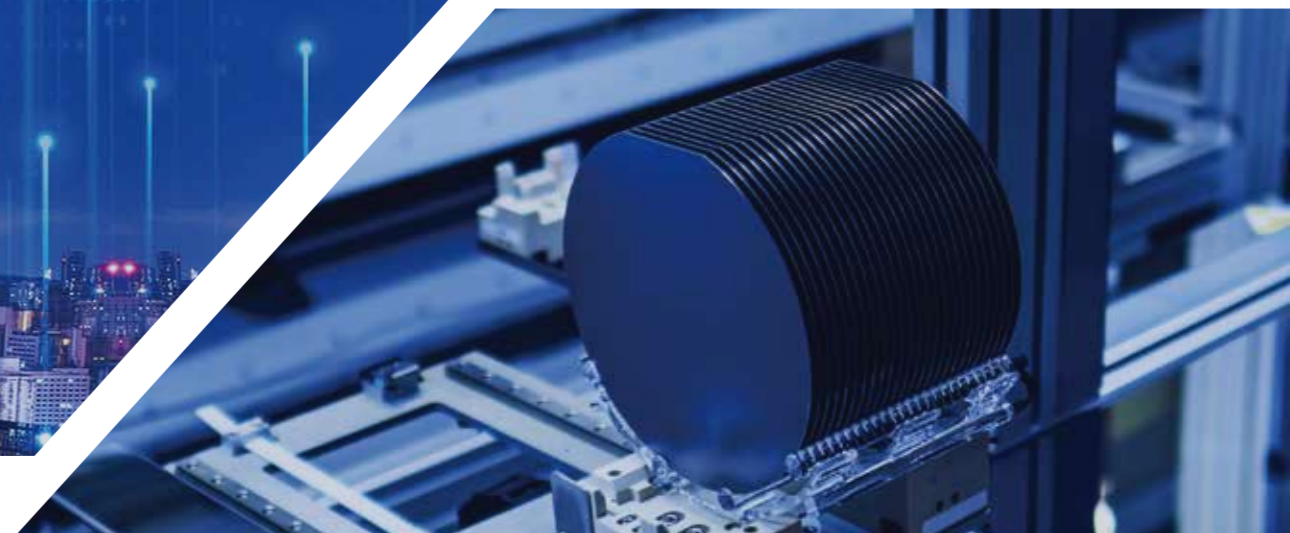


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产品选型手册

Product Selection Guide

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

June
2022

自主创新 / 品质至上 / 团结协作 / 成就客户

公司愿景

成为全球一流的模拟芯片公司

公司使命

让润石芯跳动在电子产品世界的每个角落

江苏润石科技有限公司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半导体企业。

主要产品包括信号链类的运算放大器、比较器、模拟开关、数据转换器、电平转换、电压基准源、逻辑器件等，电源管理类的线性稳压器、DC/DC、负载开关、复位及马达驱动等产品；广泛用于工业控制、新能源、汽车电子、医疗设备、安防监控设备、仪器仪表、智能家居、消费类电子以及信创等领域。

公司总部位于江苏省无锡市，扎根本土，服务全球。公司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，致力于工业电子、新能源、汽车电子、物联传感、医疗电子、和消费类电子等的产品研发设计，目前已完成多个门类的芯片设计和开发。

公司在深圳设立销售和技术服务中心，在北京、上海、天津、郑州、杭州、成都、武汉、合肥、青岛、韩国首尔等地均有驻地人员就近提供全方位的服务。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。同时也建立了快速的反应机制，及时了解客户需求、市场前景和行业趋势。

江苏润石始终坚持“自主创新，品质至上，团结协作，成就客户”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，让润石芯跳动在电子产品世界的每个角落，矢志成为全球一流的模拟芯片公司！



Directory 产品目录

荣誉 Honor

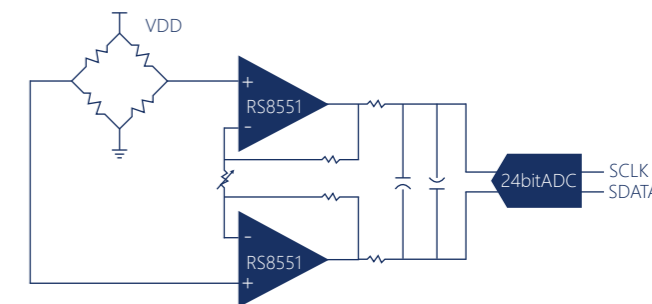
- 高新技术企业
Hi-Tech Company
- 江苏省民营科技企业
Jiangsu Private Hi-Tech Enterprise
- 北京大学电子与信息领域工程博士研究生工作站
Beijing University Electronic and Information Engineering PhD Workstation
- 2018第一届我用中国芯最佳创新奖
2018 China IC Best Innovation Award
- 2019年度最佳国产电源IC产品奖
2019 Best Power IC Product Award
- 2019硬核中国芯最具潜力IC设计企业奖
2019 China Core Most Potential IC Design Company Award
- 2020年度最佳国产模拟电路芯片产品奖
2020 Best Analog IC Award
- 2020中国模拟半导体优秀企业奖
2020 China Analog Semiconductor Excellent Enterprise Award
- 2021中国IC设计成就奖
2021 China IC Design Achievement Award
- 2021中国模拟半导体飞跃成就奖优秀企业奖
2021 China Analog Semiconductor Leap Achievement Outstanding Business Award
- 2021硬核中国芯最具潜力IC设计企业奖
2021 "China Chip" Most Potential IC Design Company Award
- 2021年度最佳信号链芯片产品奖
2021 Best Signal Chain Product Award

| | |
|--|---|
| ■ 精密运算放大器 1 Precision Operational Amplifier | ■ 特殊开关系列 7 Special Switch Series |
| ■ 高速运算放大器 2 High-Speed Operational Amplifier | ■ 高压线性稳压器 8 High Voltage Linear Regulator |
| ■ 通用运算放大器 2 General Operational Amplifier | ■ 高精度线性稳压器 8 High Precision Linear Regulator |
| ■ 低噪声运算放大器 3 Low Noise Operational Amplifier | ■ 模数转换器-精密ADC 9 Analog-Digital Converter-Precise ADC |
| ■ 低失调电压运算放大器 3-4 Low Offset Operational Amplifier | ■ 医疗电子 10 Medical Electronics |
| ■ 纳安功耗运算放大器 4 Nano Power Operational Amplifier | ■ 电平转换器 10-11 Level Converter |
| ■ 高压高精度放大器 4-5 High Voltage Precision Operational Amplifier | ■ 小逻辑 11-12 Small Logic Series |
| ■ 高压通用放大器 5 High Voltage General Operational Amplifier | ■ 并联电压基准源 12 Shunt voltage reference |
| ■ 仪表放大器 5 Instrumentation Amplifier | ■ DC/DC 12 DC/DC |
| ■ 微功耗比较器 6 Nano Power Comparator | ■ 负载开关 13 Load Switch |
| ■ 高速比较器 6 High Speed Comparator | ■ 电压检测和复位 13 Supervisory Circuit |
| ■ 高压比较器 6 High Voltage Comparator | ■ 马达驱动 13 Motor Driver |
| ■ 模拟开关 7 Analog Switch | |

运算放大器和比较器【Operational Amplifier And Comparator】

江苏润石为客户提供类型广泛的运算放大器和比较器，能够更好的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等系列产品，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，智能家居和消费类电子等领域。

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 | 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) | E _{NOISE} 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) | I _q /Amp Typ (uA) | Additional Feature | E _{NOISE} Typ@1kHz (nV/√Hz) | A _{OL} Typ (dB) | CMRR Typ (dB) | Operating Temperature Range (°C) | Package |
|-------------|------------------------|--|-----------------------------------|-------------------------|---------------------------------------|------------------|----------------------------|----------------------------|---------------|----------------------|------------------------------|--------------------|--------------------------------------|--------------------------|---------------|----------------------------------|--------------------------|
| RS8511 | 1 | 40 | 0.05 | 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 | 0.05 | 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 |
| RS8514 | 4 | 40 | 0.05 | 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 |
| 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 |
| 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 |
| 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 |
| 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 | 20 | 0.03 | 50 | 0.93 | In,Out | 2.7 | 5.5 | 4.3 | 2.5 | 650 | EMI Hardened | 45 | 130 | 130 | -40 to 125 | SOIC-8,MSOP-8,SOT23-5 |
| RS8558 | 2 | 20 | 0.03 | 50 | 0.93 | In,Out | 2.7 | 5.5 | 4.3 | 2.5 | 650 | EMI Hardened | 45 | 130 | 130 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8559 | 4 | 20 | 0.03 | 50 | 0.93 | In,Out | 2.7 | 5.5 | 4.3 | 2.5 | 650 | EMI Hardened | 45 | 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 |
| 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 | 20 | 0.1 | 100 | 0.48 | In,Out | 2.9 | 5.5 | 11 | 8.5 | 1300 | EMI Hardened | 32 | 130 | 130 | -40 to 125 | SOIC-8,MSOP-8,SOT23-5 |
| RS8562 | 2 | 20 | 0.1 | 100 | 0.48 | In,Out | 2.9 | 5.5 | 11 | 8.5 | 1300 | EMI Hardened | 32 | 130 | 130 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8564 | 4 | 20 | 0.1 | 100 | 0.48 | In,Out | 2.9 | 5.5 | 11 | 8.5 | 1300 | EMI Hardened | 32 | 130 | 130 | -40 to 125 | SOIC-14,TSSOP-14 |

* 产品研发中

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) | V _{os} Max@25°C (mV) | I _q /Amp Typ (mA) | I _B Typ (pA) | Slew Rate Typ (V/us) | E _{NOISE} 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 |
| RS8752 | 2 | 250 | N | 2.5 | 5.5 | 7.5 | 2.9 | 1 | 180 | 8 | -40 to 125 | SOIC-8,MSOP-8, TSSOP8 |
| RS8754 | 4 | 250 | N | 2.5 | 5.5 | 7.5 | 2.9 | 1 | 180 | 8 | -40 to 125 | SOIC-14,TSSOP-14 |
| RS8761* | 1 | 500 | N | 2.5 | 5.5 | 8 | 8.2 | 6 | 420 | 5.6 | -40 to 125 | SOT23-5,SOIC-8 |
| RS8762* | 2 | 500 | N | 2.5 | 5.5 | 8 | 8.2 | 6 | 420 | 5.6 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8764* | 4 | 500 | N | 2.5 | 5.5 | 8 | 8.2 | 6 | 420 | 5.6 | -40 to 125 | SOIC-14,TSSOP-14 |
| RS8701* | 1 | 50 | N | 2.5 | 5.5 | 7.5 | 3.2 | 1 | 75 | 8.5 | -40 to 125 | SOT23-5,SOIC-8 |
| RS8702* | 2 | 50 | N | 2.5 | 5.5 | 7.5 | 3.2 | 1 | 75 | 8.5 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8704* | 4 | 50 | N | 2.5 | 5.5 | 7.5 | 3.2 | 1 | 75 | 8.5 | -40 to 125 | SOIC-14,TSSOP-14 |

通用运算放大器 | General Operational Amplifier

| Part Number | Amplifiers per Package | V _{os} Max@25°C (mV) | I _q /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 V _{os} 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 |
|-------------|------------------------|-------------------------------|------------------------------|----------------------------|----------------------------|---------------|----------------------|------------------|-----------------------------------|--------------------------------------|-------------------------|--------------------------|---------------|--------------------|----------------------------------|----------------------------------|
| RS121 | 1 | 5 | 7 | 2.5 | 5.5 | 0.15 | 50 | In,Out | 3.1 | 77 | 1 | 110 | 95 | — | -40 to 125 | SOT23-5,SOIC-8,MSOP-8 |
| RS122 | 2 | 5 | 7 | 2.5 | 5.5 | 0.15 | 50 | In,Out | 3.1 | 77 | 1 | 110 | 95 | — | -40 to 125 | SOIC-8,MSOP-8,TDFN2X2-8L |
| RS124 | 4 | 5 | 7 | 2.5 | 5.5 | 0.15 | 50 | In,Out | 3.1 | 77 | 1 | 110 | 95 | — | -40 to 125 | SOIC-14,TSSOP-14 |
| RS221 | 1 | 3.5 | 18 | 2.5 | 5.5 | 0.5 | 180 | In,Out | 2.9 | 30 | 1 | 110 | 90 | — | -40 to 125 | SOT23-5,SOIC-8,MSOP-8 |
| RS222 | 2 | 3.5 | 18 | 2.5 | 5.5 | 0.5 | 180 | In,Out | 2.9 | 30 | 1 | 110 | 90 | — | -40 to 125 | SOIC-8,MSOP-8,TDFN2X2-8L |
| RS224 | 4 | 3.5 | 18 | 2.5 | 5.5 | 0.5 | 180 | In,Out | 2.9 | 30 | 1 | 110 | 90 | — | -40 to 125 | SOIC-14,TSSOP-14 |
| RS321 | 1 | 4.5 | 60 | 2.2 | 5.5 | 1.1 | 500 | In,Out | 2.9 | 23 | 1 | 100 | 80 | — | -40 to 125 | SOT23-5,SOIC-8,MSOP-8 |
| RS358 | 2 | 4.5 | 60 | 2.2 | 5.5 | 1.1 | 500 | In,Out | 2.9 | 23 | 1 | 100 | 80 | — | -40 to 125 | SOIC-8,MSOP-8 |
| RS324 | 4 | 4.5 | 60 | 2.2 | 5.5 | 1.1 | 500 | In,Out | 2.9 | 23 | 1 | 100 | 80 | — | -40 to 125 | SOIC-14,TSSOP-14 |
| RS6331 | 1 | 3 | 58 | 2.2 | 5.5 | 1.1 | 500 | In,Out | 2 | 22 | 1 | 110 | 90 | — | -40 to 125 | SOT23-5,SOIC-8,MSOP-8 |
| RS6331S | 1 | 3 | 58 | 2.2 | 5.5 | 1.1 | 500 | In,Out | 2 | 22 | 1 | 110 | 90 | Shutdown | -40 to 125 | SOT23-6,SOIC-8 |
| RS6332 | 2 | 3 | 58 | 2.2 | 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 | 2.2 | 5.5 | 1.1 | 500 | In,Out | 2 | 22 | 1 | 110 | 90 | Shutdown | -40 to 125 | MSOP-10 |
| RS6334 | 4 | 3 | 58 | 2.2 | 5.5 | 1.1 | 500 | In,Out | 2 | 22 | 1 | 110 | 90 | — | -40 to 125 | SOIC-14,TSSOP-14,TQFN3X3-16L |

* 产品研发中

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

| Part Number | Amplifiers per Package | E_{NOISE} Typ@1kHz (nV/ \sqrt{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 ($\mu V/^{\circ}C$) | I_B Typ (pA) | A_{OL} Typ (dB) | CMRR Typ (dB) | Additional Feature | Operating Temperature Range ($^{\circ}C$) | 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 |
| 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,TDFN2X2-8L |
| 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 |
| RS621 | 1 | 11 | 7 | 3.7 | 600 | 2.5 | 5.5 | In,Out | 3 | 2 | 1 | 106 | 92 | — | -40 to 125 | SOT23-5,SC70-5 |
| 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,TSSOP8 TDFN2X2-8L, TDFN3X3-8L |
| 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 |
| RS721 | 1 | 9.5 | 10 | 7 | 1150 | 2.5 | 5.5 | In,Out | 2.5 | 2.6 | 1 | 96 | 85 | — | -40 to 125 | SOT23-5,TDFN2X2-6L,SC70-5 |
| 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,TDFN2X2-8L, TDFN3X3-8L |
| 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 |
| RS821 | 1 | 8.5 | 14 | 10 | 1900 | 2.5 | 5.5 | In,Out | 2.5 | 1.6 | 1 | 100 | 88 | — | -40 to 125 | SOT23-5 |
| RS821S | 1 | 8.5 | 14 | 10 | 1900 | 2.5 | 5.5 | In,Out | 2.5 | 1.6 | 1 | 100 | 88 | Shutdown | -40 to 125 | SOT23-6,SOIC-8 |
| RS822 | 2 | 8.5 | 14 | 10 | 1900 | 2.5 | 5.5 | In,Out | 2.5 | 1.6 | 1 | 100 | 88 | — | -40 to 125 | SOIC-8,MSOP-8,TSSOP8 |
| RS822S | 2 | 8.5 | 14 | 10 | 1900 | 2.5 | 5.5 | In,Out | 2.5 | 1.6 | 1 | 100 | 88 | Shutdown | -40 to 125 | MSOP-10 |
| RS824 | 4 | 8.5 | 14 | 10 | 1900 | 2.5 | 5.5 | In,Out | 2.5 | 1.6 | 1 | 100 | 88 | — | -40 to 125 | SOIC-14,TSSOP-14 |

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/ \sqrt{Hz}) | TC of V_{OS} Typ ($\mu V/^{\circ}C$) | I_B Typ (pA) | A_{OL} Typ (dB) | CMRR Typ (dB) | Operating Temperature Range ($^{\circ}C$) | Package |
|-------------|------------------------|------------------------|---------------|-----------------------------|----------------------------|----------------------------|----------------------------|------------------|---|--|----------------|-------------------|---------------|---|------------------|
| RS6331P | 1 | 0.5 | 1.1 | 0.5 | 85 | 2.5 | 5.5 | In,Out | 22 | 2 | 10 | 120 | 95 | -40 to 125 | SOT23-5 |
| RS6332P | 2 | 0.5 | 1.1 | 0.5 | 85 | 2.5 | 5.5 | In,Out | 22 | 2 | 10 | 120 | 95 | -40 to 125 | SOIC-8,MSOP-8 |
| RS6334P | 4 | 0.8 | 1.1 | 0.5 | 85 | 2.5 | 5.5 | In,Out | 22 | 2 | 10 | 120 | 95 | -40 to 125 | SOIC-14,TSSOP-14 |
| RS621P | 1 | 0.5 | 7 | 4 | 720 | 2.5 | 5.5 | In,Out | 11 | 2 | 10 | 110 | 96 | -40 to 125 | SOT23-5 |
| RS622P | 2 | 0.5 | 7 | 4 | 720 | 2.5 | 5.5 | In,Out | 11 | 2 | 10 | 110 | 96 | -40 to 125 | SOIC-8,MSOP-8 |
| RS624P | 4 | 0.5 | 7 | 4 | 720 | 2.5 | 5.5 | In,Out | 11 | 2 | 10 | 110 | 96 | -40 to 125 | SOIC-14,TSSOP-14 |
| RS721P | 1 | 0.5 | 10 | 6 | 1100 | 2.5 | 5.5 | In,Out | 9.5 | 2.6 | 10 | 110 | 97 | -40 to 125 | SOT23-5 |

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/us) | I _q /Amp Typ (uA) | Total Supply Voltage (Min) | Total Supply Voltage (Max) | Rail-to-Rail I/O | E _{NOISE} Typ@1kHz (nV/√Hz) | TC of V _{os} Typ (uV/°C) | I _B Typ (pA) | A _{OL} Typ (dB) | CMRR Typ (dB) | Operating Temperature Range (°C) | Package |
|-------------|------------------------|-------------------------------|---------------|----------------------|------------------------------|----------------------------|----------------------------|------------------|--------------------------------------|-----------------------------------|-------------------------|--------------------------|---------------|----------------------------------|------------------|
| RS722P | 2 | 0.5 | 10 | 6 | 1100 | 2.5 | 5.5 | In,Out | 9.5 | 2.6 | 10 | 110 | 97 | -40 to 125 | SOIC-8,MSOP-8 |
| RS724P | 4 | 0.5 | 10 | 6 | 1100 | 2.5 | 5.5 | In,Out | 9.5 | 2.6 | 10 | 110 | 97 | -40 to 125 | SOIC-14,TSSOP-14 |
| RS821P | 1 | 0.5 | 14 | 10 | 1900 | 2.5 | 5.5 | In,Out | 7 | 1.6 | 10 | 100 | 88 | -40 to 125 | SOT23-5 |
| 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 |
| 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 |

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

| Part Number | Amplifiers per Package | I _q /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 | 360 | 3 | 2.3 | 1 | 106 | 90 | Yes | -40 to 125 | SOT23-5,SC70-5 |
| RS8022* | 2 | 0.35 | 1.4 | 5.5 | 5 | 1.5 | 360 | 3 | 2.3 | 1 | 106 | 90 | Yes | -40 to 125 | SOIC-8,MSOP-8,TDFN2X2-8L |
| RS8024* | 4 | 0.35 | 1.4 | 5.5 | 5 | 1.5 | 360 | 3 | 2.3 | 1 | 106 | 90 | Yes | -40 to 125 | SOIC-14,TSSOP-14 |
| RS8031 | 1 | 0.75 | 1.4 | 5.5 | 15 | 7.5 | 160 | 3 | 2.3 | 1 | 106 | 90 | Yes | -40 to 125 | SOT23-5,SC70-5 |
| RS8032 | 2 | 0.75 | 1.4 | 5.5 | 15 | 7.5 | 160 | 3 | 2.3 | 1 | 106 | 90 | Yes | -40 to 125 | SOIC-8,MSOP-8 |
| RS8034 | 4 | 0.75 | 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 | 5 | 2.3 | 1 | 85 | 75 | Yes | -40 to 125 | SOT23-5,SC70-5,SOIC-8,MSOP-8 |
| RS8052 | 2 | 0.67 | 1.4 | 5.5 | 100 | 30 | 160 | 5 | 2.3 | 1 | 85 | 75 | Yes | -40 to 125 | SOIC-8,MSOP-8,TDFN2X2-8L |
| RS8054 | 4 | 0.67 | 1.4 | 5.5 | 100 | 30 | 160 | 5 | 2.3 | 1 | 85 | 75 | Yes | -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 | I _q /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 |
|-------------|------------------------|--|-----------------------------------|-------------------------|----------------------------|----------------------------|---------------|----------------------|------------------|------------------------------|--------------------|---------------------------------------|--------------------------------------|--------------------------|---------------|----------------------------------|------------------|
| RS8631 | 1 | 30 | 0.01 | 100 | 3.3 | 36 | 0.37 | 0.12 | Out | 125 | EMI Hardened | 0.75 | 45 | 120 | 120 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8632 | 2 | 30 | 0.01 | 100 | 3.3 | 36 | 0.37 | 0.12 | Out | 125 | EMI Hardened | 0.75 | 45 | 120 | 120 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8634 | 4 | 30 | 0.01 | 100 | 3.3 | 36 | 0.37 | 0.12 | Out | 125 | EMI Hardened | 0.75 | 45 | 120 | 120 | -40 to 125 | SOIC-14,TSSOP-14 |
| RS8651 | 1 | 20 | 0.2 | 100 | 3.3 | 36 | 2 | 1 | Out | 900 | EMI Hardened | 0.45 | 40 | 120 | 120 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8652 | 2 | 20 | 0.2 | 100 | 3.3 | 36 | 2 | 1 | Out | 900 | EMI Hardened | 0.45 | 40 | 120 | 120 | -40 to 125 | SOIC-8,MSOP-8 |

* 产品研发中

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

| Part Number | Amplifiers per Package | Vos(Offset Voltage) Max@25°C (uV) | TC of Vos Typ (uV/°C) | IB 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 | ENOISE 0.01Hz~10Hz (uVpp) | ENOISE Typ@1kHz (nV/√Hz) | AOL Typ (dB) | CMRR Typ (dB) | Operating Temperature Range (°C) | Package |
|-------------|------------------------|-----------------------------------|-----------------------|-------------|----------------------------|----------------------------|---------------|----------------------|------------------|-----------------|--------------------|---------------------------|--------------------------|--------------|---------------|----------------------------------|------------------|
| RS8654 | 4 | 20 | 0.2 | 100 | 3.3 | 36 | 2 | 1 | Out | 900 | EMI Hardened | 0.45 | 40 | 120 | 120 | -40 to 125 | SOIC-14,TSSOP-14 |
| RS8661 | 1 | 10 | 0.005 | 50 | 4.5 | 36 | 5 | 1.8 | Out | 1300 | EMI Hardened | 0.18 | 10 | 130 | 130 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8662 | 2 | 10 | 0.005 | 50 | 4.5 | 36 | 5 | 1.8 | Out | 1300 | EMI Hardened | 0.18 | 10 | 130 | 130 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8664 | 4 | 10 | 0.005 | 50 | 4.5 | 36 | 5 | 1.8 | Out | 1300 | EMI Hardened | 0.18 | 10 | 130 | 130 | -40 to 125 | SOIC-14,TSSOP-14 |
| RS07 | 1 | 50 | 3.0 | 1000 | 5.0 | 36 | 1.9 | 1.0 | Out | 1300 | Cl. Hardened | 4.0 | 20 | 150 | 120 | -40 to 125 | SOIC-8 |

■ 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 | Vos Max@25°C (mV) | Iq/Amp Typ (mA) | ENOISE Typ@1kHz (nV/√Hz) | IB Typ (pA) | AOL Typ (dB) | Sink/Source Current Typ (mA) | Operating Temperature Range (°C) | Package |
|-------------|------------------------|----------------------------|----------------------------|---------------|----------------------|------------------|-------------------|-----------------|--------------------------|-------------|--------------|------------------------------|----------------------------------|------------------|
| RS8401* | 1 | 3.0 | 36 | 0.23 | 0.11 | Out | 3.0 | 0.02 | 45 | 10 | 110 | 50 | -40 to 125 | SOT-23-5 |
| RS8402* | 2 | 3.0 | 36 | 0.23 | 0.11 | Out | 3.0 | 0.02 | 45 | 10 | 110 | 50 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8404* | 4 | 3.0 | 36 | 0.23 | 0.11 | Out | 3.0 | 0.02 | 45 | 10 | 110 | 50 | -40 to 125 | SOIC-14,TSSOP-14 |
| RS8411 | 1 | 3.0 | 36 | 1.2 | 0.67 | Out | 4.0 | 0.15 | 45 | 10 | 115 | 70 | -40 to 125 | SOT-23-5 |
| RS8412 | 2 | 3.0 | 36 | 1.2 | 0.67 | Out | 4.0 | 0.15 | 45 | 10 | 115 | 70 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8414 | 4 | 3.0 | 36 | 1.2 | 0.67 | Out | 4.0 | 0.15 | 45 | 10 | 115 | 70 | -40 to 125 | SOIC-14,TSSOP-14 |
| RS8421 | 1 | 4.4 | 36 | 5.0 | 3.0 | Out | 3.0 | 1.8 | 44 | 10 | 100 | 90 | -40 to 125 | SOT-23-5 |
| RS8422 | 2 | 4.4 | 36 | 5.0 | 3.0 | Out | 3.0 | 1.8 | 44 | 10 | 100 | 90 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8424 | 4 | 4.4 | 36 | 5.0 | 3.0 | Out | 3.0 | 1.8 | 44 | 10 | 100 | 90 | -40 to 125 | SOIC-14,TSSOP-14 |
| RS8451 | 1 | 5.0 | 36 | 8.0 | 5.0 | Out | 3.0 | 2.75 | 35 | 10 | 100 | 150 | -40 to 125 | SOT-23-5 |
| RS8452 | 2 | 5.0 | 36 | 8.0 | 5.0 | Out | 3.0 | 2.75 | 35 | 10 | 100 | 150 | -40 to 125 | SOIC-8,MSOP-8 |
| RS8454 | 4 | 5.0 | 36 | 8.0 | 5.0 | Out | 3.0 | 2.75 | 35 | 10 | 100 | 150 | -40 to 125 | SOIC-14,TSSOP-14 |

■ 仪表放大器 | Instrumentation Amplifier

| Part Number | Common Mode Voltage (Max) (V) | Common Mode Voltage (Min) (V) | Input Offset (+/-)(Max) (uV) | Input Offset Drift (+/-)(Typ) (uV/C) | Gain (V/V) | Gain Error (%) | CMRR (Min) (dB) | Bandwidth (kHz) | Supply Voltage (Max) (V) | Supply Voltage (Min) (V) | Iq (Max) (mA) | 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 | 1,10,100,1000 | 0.15 | 120 | 800,120,12,1 | 36 | 2.7 | 0.2 | -40 to 125 | SOIC-8 |

* 产品研发中

微功耗比较器 | Nano Power Comparator

| Part Number | Number of Channels (#) | Iq per channel (Typ) (nA) | Feature | Vs (Min) (V) | Vs (Max) (V) | Vos (Offset Voltage @ 25°C) (Max) (mV) | Propagation Delay (L to H) (μs) | Propagation Delay (H to L) (μs) | t _{rise} (ns) | t _{fall} (ns) | Output Type | Operating Temperature Range (°C) | Package |
|-------------|------------------------|---------------------------|--------------|--------------|--------------|--|---------------------------------|---------------------------------|------------------------|------------------------|-------------|----------------------------------|------------------------|
| RS8901 | 1 | 400 | N | 1.4 | 5.5 | 3 | 40 | 9 | 240 | 260 | Push-Pull | -40 to 125 | SOT23-5,SC70-5 |
| RS8905 | 2 | 400 | N | 1.4 | 5.5 | 3 | 40 | 9 | 240 | 260 | Push-Pull | -40 to 125 | SOIC-8,MSOP-8 |
| RS8907 | 1 | 400 | N | 1.4 | 5.5 | 3 | 40 | 9 | 240 | 260 | Push-Pull | -40 to 125 | SOT23-5,SC70-5 |
| RS8912 | 1 | 4850 | 1.2V Ref Out | 2.3 | 5.5 | 3.5 | 68 | 67 | 12000 | 12000 | Push-Pull | -40 to 85 | SOT23-6, DFN1.6*1.6-6L |

高速比较器 | High Speed Comparator

| Part Number | Comparators per Package | Iq/Comp Typ (μA) | t _r , H to L @Vcc=5V PD (ns) | t _r , L to H @Vcc=5V PD (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 |
| RS331 | 1 | 50 | 185 | 210 | | 34 | 3.5 | 1.8~5.5 | -0.1~Vs+0.1 | Open-Drain(NFET) | Yes | -40 to 125 | SOT23-5 |
| RS393 | 2 | 50 | 185 | 210 | | 34 | 3.5 | 1.8~5.5 | -0.1~Vs+0.1 | Open-Drain(NFET) | Yes | -40 to 125 | SOIC-8,MSOP-8 |
| RS339 | 4 | 50 | 185 | 210 | | 34 | 3.5 | 1.8~5.5 | -0.1~Vs+0.1 | Open-Drain(NFET) | Yes | -40 to 125 | SOIC-14,TSSOP-14 |

高压比较器 | High Voltage Comparator

| Part Number | Comparators per Package | Iq/Comp Typ (uA) | t _r , H toL @Vcc=5V PD(us) | t _r , L toH @Vcc=5V PD(us) | Vos Max@25°C (mV) | Vcc (V) | Input Common Mode Voltage Range(V) | Logic Output | Operating Temperature Range (°C) | Package |
|-------------|-------------------------|------------------|---------------------------------------|---------------------------------------|-------------------|---------|------------------------------------|------------------|----------------------------------|------------------|
| LM331 | 1 | 230 | 0.4 | 0.9 | 4 | 4.5~36 | -0.1~ Vs-1.5 | Open-Drain(NFET) | -40 to 125 | SOT-23-5 |
| LM393 | 2 | 20 | 2 | 6.1 | 3.5 | 3.0~36 | -0.1~ Vs-1.5 | Open-Drain(NFET) | -40 to 125 | SOIC-8,MSOP-8 |
| LM2903 | 2 | 230 | 0.4 | 0.9 | 4 | 4.5~36 | -0.1~ Vs-1.5 | Open-Drain(NFET) | -40 to 125 | SOIC-8,MSOP-8 |
| LM2901 | 4 | 230 | 0.4 | 0.9 | 4 | 4.5~36 | -0.1~ Vs-1.5 | Open-Drain(NFET) | -40 to 125 | SOIC-14,TSSOP-14 |

* 产品研发中

模拟开关 [Analog Switch]

江苏润石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。

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 _{INH} (Min) (V) | V _{INL} (Max) (V) | t _{ON} (ns) | t _{OFF} (ns) | Operating Temperature Range (°C) | Package |
|-------------|----|------|---------------------|----------------------|---------------------------|---------------------------|---------------------|----------------------------|----------------------------|----------------------|-----------------------|----------------------------------|--|
| RS2101 | 1 | 1:2 | 3.0 | 120 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 29 | 17 | -40°C to 125°C | SOT363(SC70-6) |
| RS2102 | 2 | 1:2 | 3.0 | 120 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 29 | 17 | -40°C to 125°C | MSOP-10 |
| RS2103 | 1 | 1:2 | 0.6 | 30 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 50 | 15 | -40°C to 125°C | SOT363(SC70-6),SOT23-6,MSOP-8 |
| RS2105 | 2 | 1:2 | 0.6 | 30 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 50 | 15 | -40°C to 125°C | MSOP-10,TDFN-3X3-10L |
| RS2057 | 1 | 1:2 | 4.5 | 300 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 30 | 25 | -40°C to 125°C | SOT363(SC70-6),SOT23-6 |
| RS2058 | 2 | 1:2 | 4.5 | 300 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 30 | 25 | -40°C to 125°C | MSOP-10,QFN-1.4X1.8-10L |
| RS2099 | 4 | 1:2 | 0.6 | 30 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 50 | 15 | -40°C to 125°C | QFN3X3-16L,TSSOP-16 |
| RS2117 | 2 | 1:2 | 4 | 400 | 2.5 | 5.5 | 1 | 1.5 | 0.5 | 15 | 10 | -40°C to 85°C | QFN-1.4X1.8-10L,MSOP-10 |
| RS2118 | 2 | 1:2 | 0.6 | 80 | 2.5 | 5.5 | 1 | 1.5 | 0.5 | 15 | 10 | -40°C to 85°C | QFN-1.4X1.8-10L |
| RS2257 | 1 | 1:2 | 0.6 | 30 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 50 | 15 | -40°C to 125°C | SOT363(SC70-6),SOT23-6 |
| RS2299 | 4 | 1:2 | 4.5 | 300 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 30 | 25 | -40°C to 125°C | QFN-3X3-16L |
| RS2251 | 1 | 1:8 | 48 | 180 | 2.5 | 5.5 | 1 | 1.7 | 0.5 | 65 | 80 | -40°C to 125°C | SOIC-16(SOP16),SSOP-16,TSSOP-16, QFN-3X3-16L |
| RS2252 | 2 | 1:4 | 48 | 180 | 2.5 | 5.5 | 1 | 1.7 | 0.5 | 70 | 80 | -40°C to 125°C | SOIC-16(SOP16),SSOP-16,TSSOP-16, QFN-3X3-16L |
| RS2253 | 3 | 1:2 | 48 | 180 | 2.5 | 5.5 | 1 | 1.7 | 0.5 | 90 | 70 | -40°C to 125°C | SOIC-16(SOP16),SSOP-16,TSSOP-16, QFN-3X3-16L |
| RS2254 | 4 | 1:1 | 24 | 180 | 2.5 | 5.5 | 1 | 1.5 | 0.5 | 40 | 100 | -40°C to 125°C | TSSOP-14,SOIC-14(SOP14) |
| RS2255 | 1 | 1:4 | 24 | 180 | 2.5 | 5.5 | 1 | 1.5 | 0.5 | 40 | 100 | -40°C to 125°C | MSOP-10 |
| RS2323 | 2 | 1:2 | 0.6 | 30 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 50 | 15 | -40°C to 125°C | QFN-1.4X1.8-10L |
| RS2227 | 2 | 1:2 | 6 | 550 | 1.8 | 5.5 | 1 | 1.6 | 0.5 | 20 | 15 | -40°C to 85°C | MSOP-10,QFN-1.4X1.8-10L |
| RS2228 | 2 | 1:2 | 6 | 550 | 1.8 | 5.5 | 1 | 1.6 | 0.5 | 20 | 15 | -40°C to 85°C | QFN-1.4X1.8-10L,MSOP-10 |
| RS2166 | 1 | 1:1 | 4.5 | 300 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 30 | 25 | -40°C to 125°C | SOT23-5, SOT353(SC70-5) |
| RS2266 | 2 | 1:1 | 4.5 | 300 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 30 | 25 | -40°C to 125°C | DFN2x3-8, MSOP-8 |
| RS2259 | 4 | 1:1 | 0.6 | 30 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 50 | 15 | -40°C to 125°C | TSSOP-16 |
| RS2259B | 4 | 1:1 | 0.6 | 30 | 1.8 | 5.5 | 1 | 1.5 | 0.6 | 50 | 15 | -40°C to 125°C | TSSOP-16 |
| RS2233 | 4 | 1:2 | 3.0 | 220 | 2.5 | 5.5 | 1 | 2.0 | 0.5 | 30 | 13 | -40°C to 85°C | TSSOP-16, SOIC16 |

特殊开关系列 | Special Switch Series

| Part Number | Feature | V _{CC} (Min) (V) | V _{CC} (Max) (V) | -3dB Bandwidth (MHz) | interface | R _{on} (Ω) | Crosstalk (-dB) | Package |
|-------------|--------------------------|---------------------------|---------------------------|----------------------|-----------|---------------------|-----------------|----------------------|
| RS550 | Depletion 4 channels 1:1 | 0 | 3 | 200 | I/O | 0.5 | -90 | WLCSP12,QFNWB3*3-16L |

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.

线性稳压器【Linear Regulator】

江苏润石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) (uA) | Dropout Voltage @I _{OUT} =1mA (mV) | PSRR @1kHz (dB) | Additional Feature Output current (mA) | V _{OUT} (V) | Operating Temperature Range (°C) | Package |
|-------------|-------------------------|-------------------------|---------------------|-------------------------------|---|-----------------|--|-----------------------------|----------------------------------|--|
| RS3001 | 2.5 | 36 | 150 | 2.5 | 8 | 54 | 500 | Adj | -40 to 85 | SOT23-5 |
| RS3002 | 2.5 | 36 | 150 | 2.5 | 8 | 54 | — | 1.8,2.5,3.0,3.3,3.6,5 | -40 to 85 | SOT23-5,SOT23,SOT23-3,SOT89-3 |
| RS3003 | 6.3 | 36 | 150 | 11 | — | 63 | — | 3.0,3.3,5 | -40 to 85 | SOT89-3,SOT23-3 |
| RS3005 | 2.5 | 36 | 150 | 11 | 8 | 63 | — | 3.0,3.3,3.6,4.0,5.0,5.5,Adj | -40 to 85 | SOT89-3,SOT23-3,SOT23-5,SOT23 |
| RS3007 | 2.5 | 45 | 300 | 3 | 3 | 77 | — | 1.8,2.5,3.0,3.3,5 | -40 to 85 | SOT23-3,SOT23-5,SOT89-3L,SOT223,SOIC-8 |
| RS75xx-1 | 2.5 | 36 | 150 | 2 | 4.4 | 40 | — | 2.5,3.0,3.3,3.6,5.0 | -40 to 85 | SOT23-3,SOT89-3 |
| RS73xx-1 | 2.5 | 45 | 300 | 3 | 3 | 77 | — | 1.8,2.5,3.0,3.3,3.6,5.0 | -40 to 85 | SOT23-3,SOT89-3 |

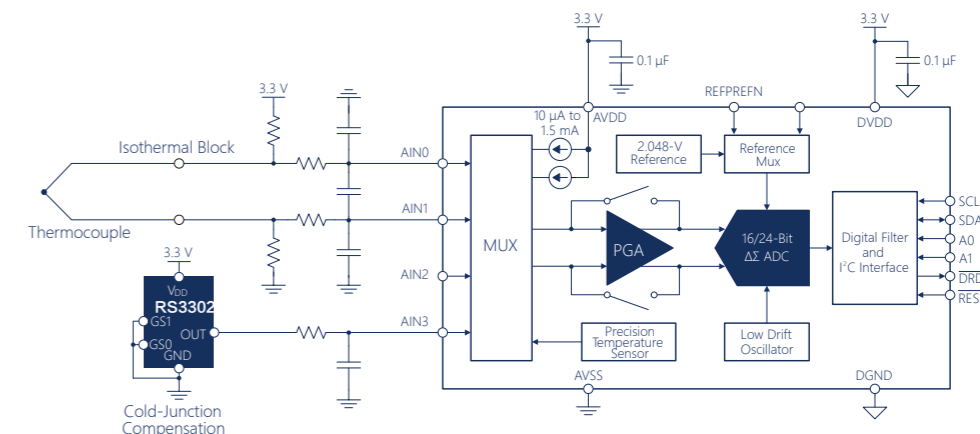
高精度线性稳压器 | High Precision Linear Regulator

| Part Number | V _{OUT} (V) | V _{IN} (V) | Output Current (mA) | Dropout Voltage (mV) | Ground Current (No Load) (uA) | Output Voltage Noise (uV _{RMS}) | PSRR @1kHz (dB) | Operating Temperature Range (°C) | Package |
|-------------|---|---------------------|---------------------|----------------------|-------------------------------|---|-----------------|----------------------------------|---|
| RS3219 | 1.2,1.5,1.8,2.5,2.8,3.0,3.3,Adj | 1.7~7.5 | 300 | 280 | 120 | 38 | 55 | -40 to 85 | SOT23-3,SOT23-5,UTDFN1×1-4 |
| RS3221 | 0.8,1.0,1.2,1.5,1.8,2.0,2.5,2.8,3.0,3.3,3.6,4.0,5.0,Adj | 1.7~7.5 | 200 | 210 | 1 | — | 30 | -40 to 85 | SOT23-3,UTDFN1×1-4,SOT23-5,SC70-5,SOT89-3 |
| RS3236 | 0.8,1.0,1.2,1.5,1.8,2.0,2.5,2.8,3.0,3.3,3.6,4.0,5.0,Adj | 1.7~7.5 | 500 | 450 | 30 | 80 | 70 | -40 to 85 | UTDFN1×1-4,SOT23-5,SC70-5,SOT23-3,SOT89-3 |
| RS3237* | 1.2,1.8,2.5,2.8,3.0,3.3 | 1.7~7.5 | 250 | 210 | 20 | 15 | 90 | -40 to 85 | SOT23-5,UTDFN1×1-4 |
| RS3238* | 1.8,3.0,3.3,Adj | 1.7~7.5 | 1000 | 280 | 90 | 50 | 75 | -40 to 85 | DFN 1.2*1.6-8L,DFN 3*3-8L |
| RS3239* | 1.8,3.0,3.3,Adj | 1.7~7.5 | 2000 | 500 | 500 | 80 | 70 | -40 to 85 | SOIC-8,DFN 3*3-8L |

数据转换* 【Data Converter】

江苏润石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.



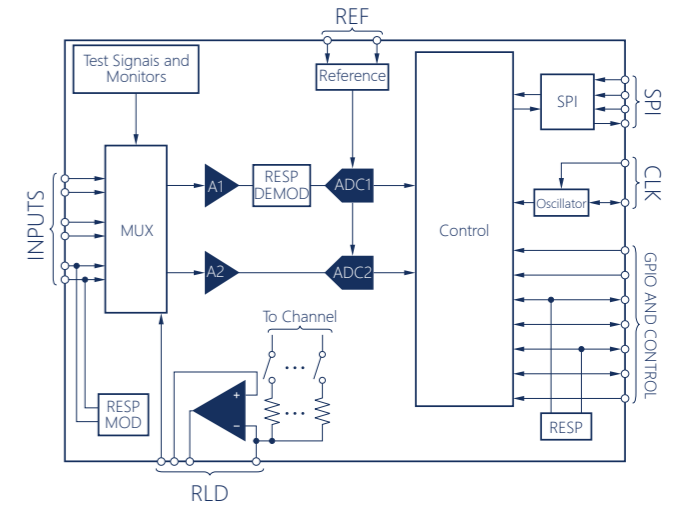
模数转换器 — 精密ADC | Analog-to-Digital Converter - Delta-Sigma ADC

| Part Number | Resolution (Bits) | Sample Rate (max) (SPS) | # Input Channels | Multi-Channel Configuration | Interface | Integrated Features | Analog Voltage | Analog Voltage | Architecture | Operating Temperature Range (°C) | Description | Package |
|-------------|-------------------|-------------------------|------------------|-----------------------------|-----------|--|----------------|----------------|--------------|----------------------------------|---|-------------|
| | | | | | | | AVDD (Min) (V) | AVDD (Max) (V) | | | | |
| 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 | SPI | 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 | SPI | 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 | I2C | 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 | I2C | 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 | I2C | 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]

江苏润石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、低功率医疗心电图 (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 | Analog Voltage | Architecture | Operating Temperature Range (°C) | Description | Package |
|-------------|-------------------|-------------------------|------------------|-----------------------------|-----------|--|----------------|----------------|--------------|----------------------------------|---|-------------|
| | | | | | | | AVDD (Min) (V) | AVDD (Max) (V) | | | | |
| 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 |

■ 逻辑 & 转换 [Logic & translation]

江苏润石针对 I/O 电压差异应用，推出自动双向电压转换器。

RUNIC Technology Co.,Ltd developed automatic bidirectional voltage converter for I / O voltage difference application.

■ 电平转换器 | Level Converter

| Part Number | Translators per Package | Data Rate (Mbps) | VCCA Range (V) | VCCB Range (V) | Bidirectional | VCC Shutdown I/O State | Icc Max (uA) | Shutdown Icc Max (uA) | Logic Output | Features | Package |
|-------------|-------------------------|------------------|----------------|----------------|---------------|------------------------|--------------|-----------------------|----------------------|--------------------|--|
| RS0101 | 1 | 24/2 | 1.65~5.5 | 2.3~5.5 | Yes | Hi-Z | 11 | 1 | Open-Drain/Push-Pull | GPIO Level Shifter | SOT23-6, SC70-6, DFN1.45*1.0-6L |
| RS0102 | 2 | 24/2 | 1.65~5.5 | 2.3~5.5 | Yes | Hi-Z | 13 | 1 | Open-Drain/Push-Pull | GPIO Level Shifter | SOT23-8, DFN2x3-8L, DFN-1.4x1-8L, VSSOP8 |
| RS0104 | 4 | 24/2 | 1.65~5.5 | 2.3~5.5 | Yes | Hi-Z | 15 | 1 | Open-Drain/Push-Pull | GPIO Level Shifter | TSSOP-14, QFN2x2-12L, QFN2x1.7-12L, QFN3.5x3.5-14L |
| RS0108 | 8 | 24/2 | 1.65~5.5 | 2.3~5.5 | Yes | Hi-Z | 30 | 1 | Open-Drain/Push-Pull | GPIO Level Shifter | TSSOP20 / QFN3x3-20L |
| RS0202 | 2 | 100 | 1.2~3.6 | 1.65~5.5 | Yes | Hi-Z | 15 | 1 | Push-Pull | GPIO Level Shifter | SOT23-8, DFN2x3-8L, MSOP-8 |
| RS0204 | 4 | 100 | 1.2~3.6 | 1.65~5.5 | Yes | Hi-Z | 20 | 1 | Push-Pull | GPIO Level Shifter | TSSOP-14, QFN2x1.7-12L, QFN3.5x3.5-14L |
| RS0208 | 8 | 100 | 1.2~3.6 | 1.65~5.5 | Yes | Hi-Z | 30 | 1 | Push-Pull | GPIO Level Shifter | TSSOP20 / QFN3x3-20L |

* 产品研发中

电平转换器 | Level Converter

| Part Number | Translators per Package | Data Rate (Mbps) | VCCA Range (V) | VCCB Range (V) | Bidirectional | VCC Shutdown I/O State | Icc Max (uA) | Shutdown Icc Max (uA) | Logic Output | Features | Package |
|-------------|-------------------------|------------------|----------------|----------------|---------------|------------------------|--------------|-----------------------|--------------|---------------------------|----------------------------|
| RS0302 | 2 | 100 | 1.2~5.5 | 1.8~5.5 | Yes | Hi-Z | 15 | 1 | Open-Drain | I2C & SMBus Level Shifter | SOT23-8,DFN1.4x1.0-8L |
| RS1T34 | 1 | 200 | 1.65~5.5 | 1.65~5.5 | Yes | Hi-Z | 10 | 1 | Push-Pull | GPIO Level Shifter | SOT23-5,SC70-5 |
| RS1T45 | 1 | 200 | 1.65~5.5 | 1.65~5.5 | Yes | Hi-Z | 10 | 1 | Push-Pull | GPIO Level Shifter | SOT23-6,SC70-6 |
| RS2T45 | 2 | 200 | 1.65~5.5 | 1.65~5.5 | Yes | Hi-Z | 10 | 1 | Push-Pull | GPIO Level Shifter | SOT23-8,VSSOP-8,MSOP-8 |
| RS4T245 | 4 | 200 | 1.65~5.5 | 1.65~5.5 | Yes | Hi-Z | 50 | 1 | Push-Pull | GPIO Level Shifter | TSSOP-16,UQFN-16L,VQFN-16L |
| RS8T245 | 8 | 200 | 1.65~5.5 | 1.65~5.5 | Yes | Hi-Z | 50 | 1 | Push-Pull | GPIO Level Shifter | TSSOP-24,SOIC-24 |

小逻辑 | Small Logic Series

| Part Number | Translators per Package | VCC Range (V) | Icc Max (uA) | Operating Temperature Range (°C) | Features | Package |
|-------------|-------------------------|---------------|--------------|----------------------------------|--|------------------------|
| RS1G00 | 1 | 1.65~5.5 | 10 | -40 to 125 | Single Channel 2-Input NAND Gate | SOT23-5,SC70-5 |
| RS2G00 | 2 | 1.65~5.5 | 10 | -40 to 125 | Dual Channel 2-Input NAND Gate | MSOP-8 |
| RS4G00 | 4 | 1.65~5.5 | 10 | -40 to 125 | Quad Channel 2-Input NAND Gate | SOIC-14 |
| RS1G04 | 1 | 1.65~5.5 | 10 | -40 to 125 | Single Channel Inverter | SOT23-5,SC70-5 |
| RS2G04 | 2 | 1.65~5.5 | 10 | -40 to 125 | Dual Channel Inverter | SOT23-6,SC70-6 |
| RS6G04 | 6 | 1.65~5.5 | 10 | -40 to 125 | Hex Channel Inverter | SOIC-14, TSSOP-14 |
| RS1G06 | 1 | 1.65~5.5 | 10 | -40 to 125 | Single Channel Inverter with open drain output | SOT23-5,SC70-5 |
| RS1G07 | 1 | 1.65~5.5 | 10 | -40 to 125 | Single Channel Non-inverting Buffer with Open-drain Output | SOT23-5,SC70-5 |
| RS2G07 | 2 | 1.65~5.5 | 10 | -40 to 125 | Dual Channel Non-inverting Buffer with Open-drain Output | SOT23-6,SC70-6 |
| RS6G07 | 6 | 1.65~5.5 | 10 | -40 to 125 | Hex Channel Non-inverting Buffer with Open-drain Output | SOIC-14, TSSOP-14 |
| RS1G08 | 1 | 1.65~5.5 | 10 | -40 to 125 | Single Channel 2-Input AND Gate | SOT23,SOT23-5,SC70-5 |
| RS2G08 | 2 | 1.65~5.5 | 10 | -40 to 125 | Dual Channel 2-Input AND Gate | MSOP-8 |
| RS4G08 | 4 | 1.65~5.5 | 10 | -40 to 125 | Quad Channel 2-Input AND Gate | SOIC-14, TSSOP-14 |
| RS1G14 | 1 | 1.65~5.5 | 10 | -40 to 125 | Single Channel Schmitt-Trigger Inverter | SOT23-5,SC70-5 |
| RS2G14 | 2 | 1.65~5.5 | 10 | -40 to 125 | Dual Channel Schmitt-Trigger Inverter | SOT23-6,SC70-6 |
| RS3G14 | 3 | 1.65~5.5 | 10 | -40 to 125 | Triple Channel Schmitt-Trigger Inverter | TSSOP-8, DFN1.4x1.0-8L |
| RS6G14 | 6 | 1.65~5.5 | 10 | -40 to 125 | Hex Channel Schmitt-Trigger Inverter | SOIC-14, TSSOP-14 |
| RS1G17 | 1 | 1.65~5.5 | 10 | -40 to 125 | Single Channel Non-inverting Buffer | SOT23-5,SC70-5 |
| RS2G17 | 2 | 1.65~5.5 | 10 | -40 to 125 | Dual Channel Non-inverting Buffer | SOT23-6,SC70-6 |
| RS6G17 | 6 | 1.65~5.5 | 10 | -40 to 125 | Hex Channel Non-inverting Buffer | SOIC-14 |
| RS1G32 | 1 | 1.65~5.5 | 10 | -40 to 125 | Single Channel 2-input OR Gate | SOT23-5,SC70-5 |
| RS2G32 | 2 | 1.65~5.5 | 10 | -40 to 125 | Dual Channel 2-input OR Gate | MSOP-8 |

* 产品研发中

小逻辑 | Small Logic Series

| Part Number | Transistors Package | Range (V) | Icc Max (uA) | Operating Range (°C) | Features | Package |
|-------------|---------------------|-----------|--------------|----------------------|--|------------------|
| RS4G32 | 4 | 1.65~5.5 | 10 | -40 to 125 | Quad Channel 2-input OR Gate | SOIC-14 |
| RS1G86 | 1 | 1.65~5.5 | 10 | -40 to 125 | Single Channel 2-input Exclusive-OR Gate | SOT23-5,SC70-5 |
| RS2G86 | 2 | 1.65~5.5 | 10 | -40 to 125 | Dual Channel 2-input Exclusive-OR Gate | MSOP-8 |
| RS4G86 | 4 | 1.65~5.5 | 10 | -40 to 125 | Quad Channel 2-input Exclusive-OR Gate | SOIC-14 |
| RS1G125 | 1 | 1.65~5.5 | 10 | -40 to 125 | Single Active-Low Bus Buffer Gate With 3-State Output | SOT23-5,SC70-5 |
| RS2G125 | 2 | 1.65~5.5 | 10 | -40 to 125 | Dual Active-Low Bus Buffer Gate With 3-State Output | TSSOP-8 |
| RS4G125 | 4 | 1.65~5.5 | 10 | -40 to 125 | Quad Active-Low Bus Buffer Gate With 3-State Output | SOIC-14 |
| RS1G126 | 1 | 1.65~5.5 | 10 | -40 to 125 | Single Active-High Bus Buffer Gate With 3-State Output | SOT23-5,SC70-5 |
| RS2G126 | 2 | 1.65~5.5 | 10 | -40 to 125 | Dual Active-High Bus Buffer Gate With 3-State Output | TSSOP-8 |
| RS4G126 | 4 | 1.65~5.5 | 10 | -40 to 125 | Quad Active-High Bus Buffer Gate With 3-State Output | SOIC-14 |
| RS244 | 8 | 1.8~5.5 | 50 | -40 to 125 | Octal Buffer/Driver With 3-State Outputs | TSSOP-20,SOIC-20 |
| RS245 | 8 | 1.8~5.5 | 50 | -40 to 125 | Octal Bus Transceivers With 3-State Outputs | TSSOP-20,SOIC-20 |

电压基准源芯片 [Voltage Reference]

江苏润石为客户提供了一系列不同精度、不同电压的电压基准源芯片，广泛用于医疗仪器、仪表、电源、工业控制、汽车电器等领域。

RUNIC Technology Co.,Ltd provides customers with a series of reference voltage source chips with different precision and voltage, which are widely used in medical instruments, meters, power supply, industrial control, automotive appliances and other fields.

并联电压基准源 | Shunt Voltage Reference

| Part Number | VREF (V) | Voltage Tolerance | VKA (V) | IREF (Max,uA) | IKA (Min, mA) | Temperature | Operating | Package |
|-------------|----------|-------------------|---------|---------------|---------------|-------------|------------|---------|
| RS431 | 2.5 | 0.5% / 1% | 2.5~36 | 4 | 0.5 | 50ppm/°C | -40 to 150 | SOT23 |
| RS432 | 2.5 | 0.5% / 1% | 2.5~36 | 4 | 0.5 | 50ppm/°C | -40 to 150 | SOT23 |
| RS421 | 1.18 | 0.50% | 1.25~36 | 4 | 0.5 | 50ppm/°C | -40 to 150 | SOT23 |
| RS422 | 1.18 | 0.50% | 1.25~36 | 4 | 0.5 | 50ppm/°C | -40 to 150 | SOT23 |

DC/DC

江苏润石为客户提供了一系列DC-DC转换器件，功耗低，可用于医疗仪器、TV&STB、工业控制、智能穿戴、物联网等领域。

RUNIC Technology Co.,Ltd provides customers with a series of DC-DC converters with low power consumption, which can be used in medical instruments, TV & STB, industrial control, intelligent wearable, Internet of things and other fields.

| Part Number | DC-DC Topology | Output Current Max (mA) | Quiescent Current (uA) | VIN Min(V) | VIN Max(V) | Efficiency Max | Output Voltage | Switching Frequency (MHZ) | Shutdown Current (uA) | Enable Logic | Package |
|-------------|----------------|-------------------------|------------------------|------------|------------|----------------|----------------|---------------------------|-----------------------|--------------|-------------------|
| RS6651 | Sync Boost | 1000 | 20 | 2.2 | 4.5 | 95% | 3.0~5.5V | 1.1 | 1 | High | TSOT23-6 |
| RS6699* | Sync Boost | 600 | 2 | 1 | 5.5 | 90% | 1.8~5.5V | 1.2 | 1 | High | SOT23-6,DFN2x2-6L |

* 产品研发中

负载开关【Load Switch】

江苏润石为客户提供了一系列高精度、不同限制电流的负载开关芯片，广泛用于医疗仪器、PC、TV&STB、工业控制等领域。

RUNIC Technology Co.,Ltd provides customers with a series of load switch chips with high detection accuracy and different limiting current, which are widely used in medical instruments, PC, TV & STB, industrial control and other fields.

| Part Number | Continuous Output Current (mA) | Quiescent Current (uA) | VIN Min(V) | VIN Max(V) | Enable Logic | Shutdown Current (uA) | Current Limit (mA) | Soft-Start | Fault Flag | Pacakage |
|-------------|--------------------------------|------------------------|------------|------------|--------------|-----------------------|--------------------|------------|------------|-------------------------|
| RS2580 | 6000 | 35 | 0.8 | 5.5 | High | 0.1 | 6000 | Yes | No | DFN2x2-8L |
| RS2581* | 2500 | 30 | 2.5 | 5.5 | High | 0.1 | 100 to 2500 | Yes | No | SOT23-5 |
| RS2582* | 2500 | 30 | 2.5 | 5.5 | High | 0.1 | 100 to 2500 | Yes | No | SOT23-5 |
| RS2583* | 2500 | 30 | 2.5 | 5.5 | High | 0.1 | 100 to 2500 | Yes | Yes | SOT23-6 |
| RS2584* | 1000/2100 | 5 | 2.1 | 5.5 | High | 1 | 1000/2100 | Yes | No | SOT23-5 |
| RS2585* | 1000 | 5 | 1 | 5.5 | High | 1 | 1000 | Yes | No | CSP0.8x0.8-4L |
| RS2586* | 3000 | 10 | 2.1 | 5.5 | High | 1 | 3000 | Yes | No | CSP1.4x0.9-6L/DFN2x2-6L |
| RS2588 | 1000/2000/2500 | 30 | 2.5 | 5.5 | High | 0.1 | 1100/2100/2600 | Yes | Yes | SOT23-5 |
| RS2599 | 3000 | 100 | 2.5 | 5.5 | High | 0.1 | 500 to 3000 | Yes | Yes | DFN3x3-8L |

电压检测和复位【Supervisory Circuit】

电压检测和复位系列芯片包括看门狗计时器、带手动复位功能的复位芯片、电压检测、固定延时时间或者可设置延时时间的复位芯片，以超低的系统功耗持续监控系统运行，广泛用于医疗仪器、TV&STB、工业控制、智能穿戴、物联网等领域。

The series of voltage detection and reset chips include watchdog timer, reset chip with manual reset function, voltage detection, reset chip with fixed delay time or set delay time. They are widely used in medical instruments, TV & STB, industrial control, intelligent wearable, Internet of things and other fields with ultra-low system power consumption.

| Part Number | Quiescent Current (uA) | Manual Reset | Vcc (V) | Detect Threshold | Watchdog Timer | Vcc to Reset Delay (us) | Reset Active Timeout Period (ms) | Reset Output | Pacakage |
|-------------|------------------------|--------------|---------|-------------------------|----------------|-------------------------|----------------------------------|--------------|---------------|
| RS706 | 20 | Yes | 1.0~5.5 | 2.63,2.93,3.08,4.0 | 1.6s | 30 | 200 | Low | SOIC-8 |
| RS802* | 5 | No | 1.0~5.5 | 1.63,2.32,2.63,2.93 | No | 100 | ADJ | High | SC70-4,SOT143 |
| RS803 | 2 | No | 1.0~5.5 | 1.63,2.63,2.93,3.08,4.4 | No | 50 | 200 | Low | SOT23-3 |
| RS804* | 5 | No | 1.0~5.5 | 1.63,2.32,2.63,2.93 | No | 100 | ADJ | Low | SC70-4,SOT143 |
| RS806 | 20 | Yes | 1.0~5.5 | 2.63,2.93,3.08,4.0 | 1.6s | 30 | 200 | Low | SOT23-5 |
| RS809 | 2 | No | 1.0~5.5 | 1.63,2.63,2.93,3.08,4.4 | No | 50 | 200 | Low | SOT23-3 |
| RS810* | 2 | No | 1.0~5.5 | 1.63,2.63,2.93,3.08,4.4 | No | 50 | 200 | High | SOT23-3 |
| RS811* | 15 | Yes | 1.0~5.5 | 2.63,2.93,3.08,4.4 | No | 50 | 200 | Low | SOT143 |

马达驱动*【Motor Driver】

| Part Number | Motor Type | RMS Output Current (A) | Peak Output Current (A) | VCC/VM Min(V) | VCC/VM Max(V) | Control Interface | RDS(ON) (HS+LS) (mΩ) | Operating Temperature | Pacakage |
|-------------|------------------|------------------------|-------------------------|---------------|---------------|-------------------|----------------------|-----------------------|------------------|
| RS8835 | Brushed DC Motor | 1.8 | 3.5 | 1.8 | 7 | PWM | 500 | -40°C~125°C | SOT23-6 |
| RS8837 | Brushed DC Motor | 1.8 | 3.5 | 0 | 12 | PWM | 500 | -40°C~125°C | SOIC-8,DFN2x2-8L |

* 产品研发中