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To Make Runic Chips Active In Every Corner of The World



 **销售热线：400-8090-866**  
Tel: +86-755-23595309

 **邮箱：sales@run-ic.com**  
E-mail: overseas@run-ic.com

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

江苏省无锡市新吴区弘毅路10号金乾座20层  
20th Floor, Jinqian Building, No. 10 Hongyi Road, Xinwu District, Wuxi City, Jiangsu Province  
Tel: +86 510 8538 7528 / E-mail: runic\_overseas@163.com

广东省深圳市南山区高新中二道2号深圳软件园1期4栋201室  
4-Rm201, 2 Gaoxin Middle 2nd Rd, Shenzhen Software Park Phase 1, Nanshan District, Shenzhen City, Guangdong Province, China  
Tel: +86 755 2359 5309 / E-mail: runic\_overseas@163.com

Rm#1008, 34, Hwangsaoul-ro 200beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea, 13595  
Tel: +82 10 4189 0299 / E-mail: overseas@run-ic.com

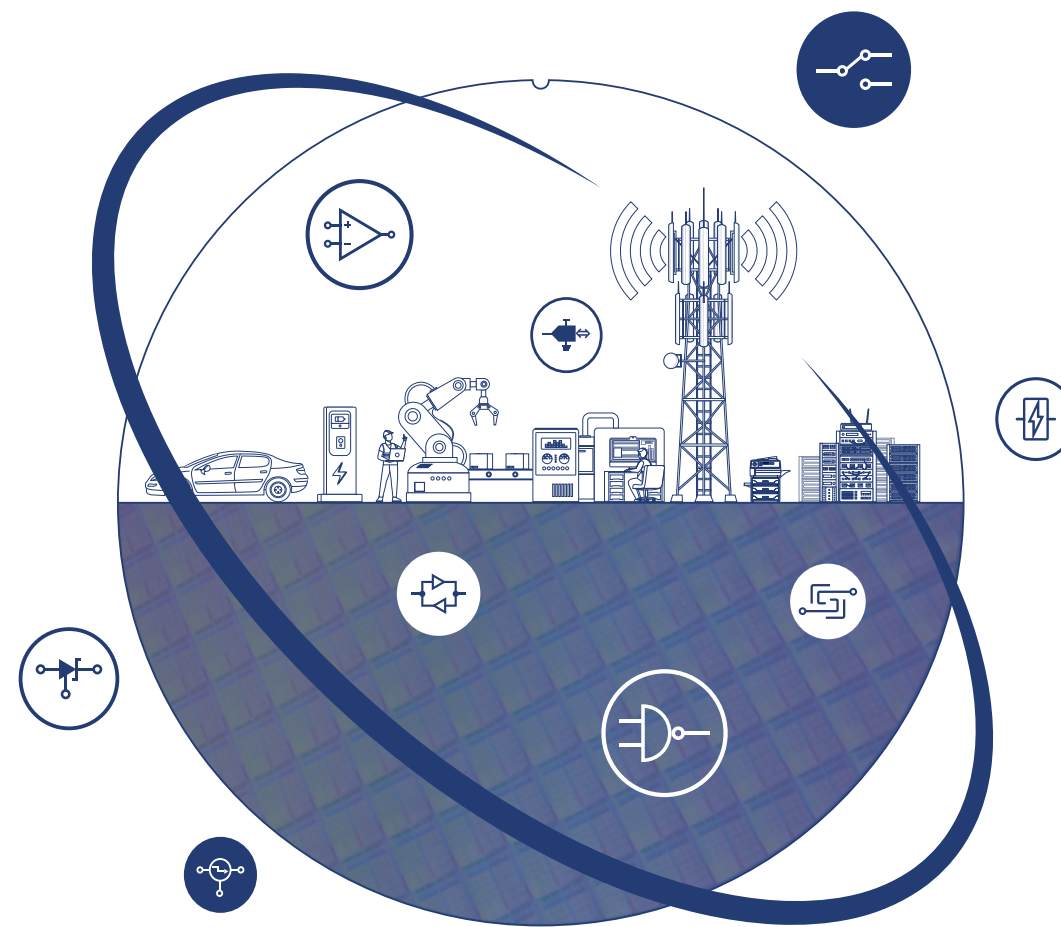


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Jiangsu Runic Technology Co.,Ltd.



# 产品选型手册

## PRODUCT SELECTION GUIDE

—  
2026.01

— 专注模拟技术 —  
— Focus on Analog Technology —

Innovation Service



# 公司介绍

## Company profile

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设计公司。

公司主要产品线分为两类：信号链和电源管理，其中信号链包含运算放大器、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；电源管理包含线性稳压器、DC/DC、负载开关、复位及马达驱动。产品广泛用于汽车电子、新能源、工业控制、消费类电子、医疗设备、安防监控、仪器仪表、智能家居以及信创等应用领域。

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，致力于汽车电子、新能源、工业控制、消费类电子、物联网传感和医疗电子等领域的模拟芯片产品的研发设计，目前已完成多个门类的芯片设计和开发；同时积极布局新能源汽车领域，全力推进国产车规级模拟芯片的研发和生产，并通过车用IC可靠度 AEC-Q100 认证，以及ISO26262功能安全管理体系认证！

公司在深圳设立全球销售和技术服务中心，在国内的北京、上海、天津、郑州、杭州、成都、武汉、合肥、青岛，中国台湾以及海外的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，拥有众多国内外行业标杆企业客户。同时也建立了快速的响应机制，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！

Runic Technology is a fast-growing, innovative semiconductor design and manufacture company that focus on general purpose and high-performance analog and mixed-signal ICs.

Our product portfolio includes op-amps, comparators, analog switches, data converters, level shifters, little logic ICs, voltage references, LDOs, DC/DCs, load switches, reset ICs. These products are widely used in various industries, such as consumer electronics, computing, communications, industrial, and automotive markets.

In order to deliver high quality and reliable analog ICs, especially automotive grade products, we have been working with manufacturing and assembly facilities that have achieved certifications in the internationally recognized standards of ISO 9001:2015, ISO 14001:2015, and, for automotive products, IATF 16949:2016.

Runic Technology's headquarter is located in Wuxi, China. We have global sales offices in South Korea and Taiwan and distribution partners in Europe and Americas.

Our Goal is to become a world-class analog IC supplier and bring our IC to serve worldwide customers.



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# 运算放大器和比较器

## OPERATIONAL AMPLIFIER & COMPARATOR



### 精密运算放大器 | Precision Operational Amplifier

| Part Number | Amplifiers per Package | Vos Max@25°C (μV) | TC of Vos Typ (μV/°C) | IB Typ (pA) | Enoise 0.01Hz~10Hz (μVpp) | Enoise Typ@1kHz (nV/√Hz) | Total Supply Voltage (V) | GBW Typ (MHz) | Slew Rate Typ (V/μs) | Iq/Amp Typ (mA) | AOL Typ (dB) | CMRR Typ (dB) | Rail-to-Rail I/O | Additional Feature           | Operating Temperature Range (°C) | Package             |
|-------------|------------------------|-------------------|-----------------------|-------------|---------------------------|--------------------------|--------------------------|---------------|----------------------|-----------------|--------------|---------------|------------------|------------------------------|----------------------------------|---------------------|
| RS8055      | 1                      | 35                | 0.1                   | 30          | 8.5                       | 340                      | 1.8~5.5                  | 0.008         | 0.0035               | 0.0007          | 110          | 115           | In,Out           | No Phase Reversal            | -40 to 125                       | SOT23-5,SC70-5      |
| RS8056      | 2                      | 35                | 0.1                   | 30          | 8.5                       | 340                      | 1.8~5.5                  | 0.008         | 0.0035               | 0.0007          | 110          | 115           | In,Out           | No Phase Reversal            | -40 to 125                       | SOP8,MSOP8,DFN2X2-8 |
| RS8491      | 1                      | 400               | 5                     | 0.05        | 5                         | 16                       | 5.0~25                   | 3.3           | 2.1                  | 1               | 130          | 102           | Out              | Ultra low input bias current | -40 to 125                       | SOP8                |
| RS8501      | 1                      | 15                | 0.2                   | 80          | 2                         | /                        | 1.8~5.5                  | 0.11          | 0.045                | 0.009           | 125          | 120           | In,Out           | EMI Hardened                 | -40 to 125                       | SOT23-5,SC70-5      |
| RS8502      | 2                      | 15                | 0.2                   | 80          | 2                         | /                        | 1.8~5.5                  | 0.11          | 0.045                | 0.009           | 125          | 120           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP8,MSOP8          |
| RS8504      | 4                      | 15                | 0.2                   | 80          | 2                         | /                        | 1.8~5.5                  | 0.11          | 0.045                | 0.009           | 125          | 120           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP14,TSSOP14       |
| RS8511      | 1                      | 40                | 0.05                  | 50          | 1.6                       | 70                       | 2.3~5.5                  | 0.35          | 0.17                 | 0.06            | 130          | 130           | In,Out           | EMI Hardened                 | -40 to 125                       | SOT23-5             |
| RS8512      | 2                      | 40                | 0.05                  | 50          | 1.6                       | 70                       | 2.3~5.5                  | 0.35          | 0.17                 | 0.06            | 130          | 130           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP8,MSOP8,DFN2X2-8 |
| RS8514      | 4                      | 40                | 0.05                  | 50          | 1.6                       | 70                       | 2.3~5.5                  | 0.35          | 0.17                 | 0.06            | 130          | 130           | In,Out           | EMI Hardened                 | -40 to 125                       | TSSOP14             |
| RS8521      | 1                      | 5                 | 0.005                 | 10          | 3.2                       | 140                      | 2.3~5.5                  | 0.35          | 0.17                 | 0.06            | 130          | 130           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP8,SOT23-5        |
| RS8522      | 2                      | 5                 | 0.005                 | 10          | 3.2                       | 140                      | 2.3~5.5                  | 0.35          | 0.17                 | 0.06            | 130          | 130           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP8,MSOP8,DFN2X2-8 |
| RS8524      | 4                      | 5                 | 0.005                 | 10          | 3.2                       | 140                      | 2.3~5.5                  | 0.35          | 0.17                 | 0.06            | 130          | 130           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP14,TSSOP14       |
| RS8531      | 1                      | 15                | 0.1                   | 100         | 0.15                      | 5.5                      | 2.5~5.5                  | 3.7           | 0.7                  | 1.5             | 140          | 125           | In,Out           | EMI Hardened                 | -40 to 125                       | SOT23-5,MSOP8       |
| RS8532      | 2                      | 15                | 0.1                   | 100         | 0.15                      | 5.5                      | 2.5~5.5                  | 3.7           | 0.7                  | 1.5             | 140          | 125           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP8,MSOP8          |
| RS8538      | 1                      | 5                 | 0.005                 | 50          | 1.3                       | 60                       | 2.5~5.5                  | 1.6           | 0.7                  | 0.18            | 130          | 130           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP8,SOT23-5        |
| RS8539      | 2                      | 5                 | 0.005                 | 50          | 1.3                       | 60                       | 2.5~5.5                  | 1.6           | 0.7                  | 0.18            | 130          | 130           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP8,MSOP8          |
| RS8541      | 1                      | 30                | 0.08                  | 330         | 0.9                       | 45                       | 2.0~5.5                  | 0.35          | 0.16                 | 0.04            | 130          | 120           | In,Out           | EMI Hardened                 | -40 to 125                       | SOT23-5             |
| RS8542      | 2                      | 30                | 0.08                  | 330         | 0.9                       | 45                       | 2.0~5.5                  | 0.35          | 0.16                 | 0.04            | 130          | 120           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP8                |
| RS8541A     | 1                      | 15                | 0.1                   | 100         | 1.1                       | 50                       | 1.8~5.5                  | 0.35          | 0.15                 | 0.02            | 130          | 120           | In,Out           | EMI Hardened                 | -40 to 125                       | SOT23-5,SC70-5      |
| RS8542A     | 2                      | 15                | 0.1                   | 100         | 1.1                       | 50                       | 1.8~5.5                  | 0.35          | 0.15                 | 0.02            | 130          | 120           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP8,MSOP8          |
| RS8544A     | 4                      | 15                | 0.1                   | 100         | 1.1                       | 50                       | 1.8~5.5                  | 0.35          | 0.15                 | 0.02            | 130          | 120           | In,Out           | EMI Hardened                 | -40 to 125                       | SOP14,TSSOP14       |

精密运算放大器 | Precision Operational Amplifier

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| Part Number | Amplifiers per Package | Vos Max@25°C (μV) | TC of Vos Typ (μV/°C) | IB Typ (pA) | Enoise 0.01Hz~10Hz (μVpp) | Enoise Typ@1kHz (nV/√Hz) | Total Supply Voltage (V) | GBW Typ (MHz) | Slew Rate Typ (V/μs) | Iq/Amp Typ (mA) | AOL Typ (dB) | CMRR Typ (dB) | Rail-to-Rail I/O | Additional Feature | Operating Temperature Range (°C) | Package             |
|-------------|------------------------|-------------------|-----------------------|-------------|---------------------------|--------------------------|--------------------------|---------------|----------------------|-----------------|--------------|---------------|------------------|--------------------|----------------------------------|---------------------|
| RS8547      | 1                      | 5                 | 0.1                   | 100         | 0.55                      | 25                       | 2.5~5.5                  | 2.4           | 1.4                  | 0.5             | 130          | 125           | In,Out           | EMI Hardened       | -40 to 125                       | SOT23-5             |
| RS8548      | 2                      | 5                 | 0.1                   | 100         | 0.55                      | 25                       | 2.5~5.5                  | 2.4           | 1.4                  | 0.5             | 130          | 125           | In,Out           | EMI Hardened       | -40 to 125                       | SOP8,MSOP8          |
| RS8551      | 1                      | 5                 | 0.005                 | 50          | 0.75                      | 35                       | 2.7~5.5                  | 4.5           | 2.7                  | 0.64            | 130          | 130           | In,Out           | EMI Hardened       | -40 to 125                       | SOP8,MSOP8,SOT23-5  |
| RS8552      | 2                      | 5                 | 0.005                 | 50          | 0.75                      | 35                       | 2.7~5.5                  | 4.5           | 2.7                  | 0.64            | 130          | 130           | In,Out           | EMI Hardened       | -40 to 125                       | SOP8,MSOP8,DFN2X2-8 |
| RS8554      | 4                      | 5                 | 0.005                 | 50          | 0.75                      | 35                       | 2.7~5.5                  | 4.5           | 2.7                  | 0.64            | 130          | 130           | In,Out           | EMI Hardened       | -40 to 125                       | SOP14,TSSOP14       |
| RS8557      | 1                      | 20                | 0.03                  | 50          | 0.93                      | 45                       | 2.7~5.5                  | 4.3           | 2.5                  | 0.65            | 120          | 120           | In,Out           | EMI Hardened       | -40 to 125                       | SOP8,SOT23-5        |
| RS8558      | 2                      | 20                | 0.03                  | 50          | 0.93                      | 45                       | 2.7~5.5                  | 4.3           | 2.5                  | 0.65            | 120          | 120           | In,Out           | EMI Hardened       | -40 to 125                       | SOP8,MSOP8          |
| RS8559      | 4                      | 20                | 0.03                  | 50          | 0.93                      | 45                       | 2.7~5.5                  | 4.3           | 2.5                  | 0.65            | 120          | 120           | In,Out           | EMI Hardened       | -40 to 125                       | SOP14,TSSOP14       |
| RS8561      | 1                      | 20                | 0.1                   | 100         | 0.48                      | 32                       | 2.9~5.5                  | 11            | 8.5                  | 1.3             | 120          | 120           | In,Out           | EMI Hardened       | -40 to 125                       | SOP8,SOT23-5        |
| RS8562      | 2                      | 20                | 0.1                   | 100         | 0.48                      | 32                       | 2.9~5.5                  | 11            | 8.5                  | 1.3             | 120          | 120           | In,Out           | EMI Hardened       | -40 to 125                       | SOP8,MSOP8          |
| RS8564      | 4                      | 20                | 0.1                   | 100         | 0.48                      | 32                       | 2.9~5.5                  | 11            | 8.5                  | 1.3             | 120          | 120           | In,Out           | EMI Hardened       | -40 to 125                       | SOP14,TSSOP14       |
| RS8581      | 1                      | 5                 | 0.1                   | 50          | 0.8                       | 35                       | 2.7~5.5                  | 5             | 3.4                  | 0.73            | 130          | 130           | In,Out           | EMI Hardened       | -40 to 125                       | SOT23-5             |
| RS8621      | 1                      | 400               | 5                     | 10          | 4.3                       | 14                       | 5~32                     | 2             | 1.2                  | 1               | 150          | 115           | Out              | EMI Hardened       | -40 to 125                       | SOP8                |
| RS8622      | 2                      | 400               | 5                     | 10          | 4.3                       | 14                       | 5~32                     | 2             | 1.2                  | 1               | 150          | 115           | Out              | EMI Hardened       | -40 to 125                       | SOP8                |
| RS8651      | 1                      | 50                | 0.1                   | 100         | 0.6                       | 30                       | 3.3~32                   | 2             | 1                    | 0.9             | 130          | 120           | Out              | EMI Hardened       | -40 to 85                        | SOP8                |
| RS8652      | 2                      | 50                | 0.15                  | 100         | 0.6                       | 30                       | 3.3~32                   | 2             | 1                    | 0.9             | 130          | 120           | Out              | EMI Hardened       | -40 to 125                       | SOP8,MSOP8          |
| RS8654      | 4                      | 50                | 0.15                  | 100         | 0.6                       | 30                       | 3.3~32                   | 2             | 1                    | 1               | 130          | 120           | Out              | EMI Hardened       | -40 to 125                       | SOP14               |
| RS8661      | 1                      | 25                | 0.1                   | 300         | 0.2                       | 8                        | 4.5~36                   | 11            | 15                   | 2               | 150          | 150           | Out              | EMI Hardened       | -40 to 125                       | SOT23-5,SOP8        |
| RS8662      | 2                      | 25                | 0.1                   | 300         | 0.2                       | 8                        | 4.5~36                   | 11            | 15                   | 2               | 150          | 150           | Out              | EMI Hardened       | -40 to 125                       | SOP8,MSOP8          |
| RS8664      | 4                      | 25                | 0.1                   | 300         | 0.2                       | 8                        | 4.5~36                   | 11            | 15                   | 2               | 150          | 150           | Out              | EMI Hardened       | -40 to 125                       | SOP14               |
| RS8681      | 1                      | 10                | 0.1                   | 100         | 0.25                      | 8                        | 3.2~40                   | 10            | 11                   | 1.7             | 150          | 150           | Out              | EMI Hardened       | -40 to 125                       | SOT23-5,SOP8        |
| RS8682      | 2                      | 10                | 0.1                   | 100         | 0.25                      | 8                        | 3.2~40                   | 10            | 11                   | 1.7             | 150          | 150           | Out              | EMI Hardened       | -40 to 125                       | SOP8,MSOP8          |
| RS8684      | 4                      | 10                | 0.1                   | 100         | 0.25                      | 8                        | 3.2~40                   | 10            | 11                   | 1.7             | 150          | 150           | Out              | EMI Hardened       | -40 to 125                       | SOP14,TSSOP14       |
| RS07        | 1                      | 60                | 0.3                   | 10          | 4                         | 12                       | 4.5~36                   | 2.5           | 1.5                  | 1.2             | 140          | 120           | Out              | CL Hardened        | -40 to 125                       | SOP8                |
| RS07-2      | 2                      | 60                | 0.3                   | 10          | 4                         | 12                       | 4.5~36                   | 2.5           | 1.5                  | 1.2             | 140          | 120           | Out              | CL Hardened        | -40 to 125                       | SOP8                |
| RSOP07-1    | 1                      | 20                | 0.25                  | 50          | 0.45                      | 20                       | 3.2-40                   | 2.0           | 1.5                  | 0.92            | 140          | 140           | Out              | CL Hardened        | -40 to 125                       | SOT23-5,SOP8        |
| RSOP07-2    | 2                      | 20                | 0.25                  | 50          | 0.45                      | 20                       | 3.2-40                   | 2.0           | 1.5                  | 0.92            | 140          | 140           | Out              | CL Hardened        | -40 to 125                       | SOP8,MSOP8          |

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

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Datasheet



| Part Number | Amplifiers per Package | GBW Typ (MHz) | Iq/Amp Typ (mA) | Total Supply Voltage (V) | Vos Max@25°C (mV) | Slew Rate Typ (V/μs) | Rail-to-Rail I/O | TC of Vos Typ (μV/°C) | Enoise Typ@1kHz (nV/√Hz) | IB Typ (pA) | AOL Typ (dB) | PSRR Typ (dB) | CMRR Typ (dB) | Additional Feature | Operating Temperature Range (°C) | Package           |
|-------------|------------------------|---------------|-----------------|--------------------------|-------------------|----------------------|------------------|-----------------------|--------------------------|-------------|--------------|---------------|---------------|--------------------|----------------------------------|-------------------|
| RS8701      | 1                      | 50            | 7               | 2.2~5.5                  | 0.2               | 40                   | In,Out           | 1.6                   | 4.4                      | 50          | 124          | 107           | 100           | Zero-Crossover     | -40 to 125                       | SOT23-5           |
| RS8702      | 2                      | 50            | 7               | 2.2~5.5                  | 0.2               | 40                   | In,Out           | 1.6                   | 4.4                      | 50          | 124          | 107           | 100           | Zero-Crossover     | -40 to 125                       | SOP8,MSOP8        |
| RS8704      | 4                      | 50            | 7               | 2.2~5.5                  | 0.2               | 40                   | In,Out           | 1.6                   | 4.4                      | 50          | 124          | 107           | 100           | Zero-Crossover     | -40 to 125                       | SOP14             |
| RS8761P     | 1                      | 250           | 8.3             | 2.7~5.5                  | 2                 | 180                  | In,Out           | 10                    | 6                        | 3           | 105          | 80            | 80            | —                  | -40 to 125                       | SOT23-5           |
| RS8762P     | 2                      | 250           | 8.3             | 2.7~5.5                  | 2                 | 180                  | In,Out           | 10                    | 6                        | 3           | 105          | 80            | 80            | —                  | -40 to 125                       | SOP8,MSOP8,TSSOP8 |
| RS8764P     | 4                      | 250           | 8.3             | 2.7~5.5                  | 2                 | 180                  | In,Out           | 10                    | 6                        | 3           | 105          | 80            | 80            | —                  | -40 to 125                       | SOP14,TSSOP14     |

通用运算放大器 | General Operational Amplifier

| Part Number | Amplifiers per Package | Vos Max@25°C (mV) | Iq/Amp Typ (mA) | Total Supply Voltage (V) | GBW Typ (MHz) | Slew Rate Typ (V/μs) | Rail-to-Rail I/O | TC of Vos Typ (μV/°C) | Enosie Typ@1kHz (nV/√Hz) | IB Typ (pA) | AOL Typ (dB) | PSRR Typ (dB) | CMRR Typ (dB) | Additional Feature | Operating Temperature Range (°C) | Package             |
|-------------|------------------------|-------------------|-----------------|--------------------------|---------------|----------------------|------------------|-----------------------|--------------------------|-------------|--------------|---------------|---------------|--------------------|----------------------------------|---------------------|
| LM2902      | 4                      | 2.5               | 0.435           | 3.0~36                   | 1.0           | 0.4                  | In               | 5.4                   | 31                       | 28000       | 120          | 115           | 97            | —                  | -40 to 125                       | SOP14,TSSOP14       |
| LM2904      | 2                      | 2.5               | 0.65            | 3.0~36                   | 1.2           | 0.5                  | In               | 8.0                   | 38                       | 15000       | 110          | 100           | 100           | —                  | -40 to 125                       | SOP8,MSOP8,TSSOP8   |
| LM321B      | 1                      | 2.5               | 0.435           | 3.0~36                   | 1.0           | 0.4                  | In               | 5.4                   | 31                       | 28000       | 120          | 115           | 97            | —                  | -40 to 125                       | SOT23-5             |
| LM358A      | 2                      | 2.5               | 0.65            | 3.0~36                   | 1.2           | 0.5                  | In               | 8.0                   | 38                       | 15000       | 105          | 95            | 95            | —                  | -40 to 125                       | SOP8,MSOP8,TSSOP8   |
| LM358B      | 2                      | 2.5               | 0.435           | 3.0~36                   | 1.0           | 0.4                  | In               | 5.4                   | 31                       | 28000       | 120          | 115           | 97            | —                  | -40 to 125                       | SOP8,MSOP8,TSSOP8   |
| LM324B      | 4                      | 2.5               | 0.435           | 3.0~36                   | 1.0           | 0.4                  | In               | 5.4                   | 31                       | 28000       | 120          | 115           | 97            | —                  | -40 to 125                       | SOP14,TSSOP14       |
| RS121       | 1                      | 5                 | 0.012           | 2.5~5.5                  | 0.15          | 0.05                 | In,Out           | /                     | 77                       | 1           | 110          | 95            | 95            | —                  | -40 to 125                       | SOT23-5             |
| RS121P      | 1                      | 0.6               | 0.0076          | 2.6~5.5                  | 0.1           | 0.04                 | In,Out           | 2.5                   | 98                       | 1           | 104          | 76            | 80            | —                  | -40 to 125                       | SOT23-5,SC70-5      |
| RS122       | 2                      | 5                 | 0.012           | 2.5~5.5                  | 0.15          | 0.05                 | In,Out           | /                     | 77                       | 1           | 110          | 95            | 95            | —                  | -40 to 125                       | SOP8,MSOP8          |
| RS124       | 4                      | 5                 | 0.012           | 2.5~5.5                  | 0.15          | 0.05                 | In,Out           | /                     | 77                       | 1           | 110          | 95            | 95            | —                  | -40 to 125                       | SOP14,TSSOP14       |
| RS221       | 1                      | 3.5               | 0.026           | 2.5~5.5                  | 0.5           | 0.18                 | In,Out           | 2.9                   | 30                       | 1           | 110          | 90            | 90            | —                  | -40 to 125                       | SOT23-5             |
| RS222       | 2                      | 3.5               | 0.026           | 2.5~5.5                  | 0.5           | 0.18                 | In,Out           | 2.9                   | 30                       | 1           | 110          | 90            | 90            | —                  | -40 to 125                       | SOP8,MSOP8          |
| RS224       | 4                      | 3.5               | 0.026           | 2.5~5.5                  | 0.5           | 0.18                 | In,Out           | 2.9                   | 30                       | 1           | 110          | 90            | 90            | —                  | -40 to 125                       | SOP14,TSSOP14       |
| RS321       | 1                      | 4.5               | 0.06            | 2.2~5.5                  | 1.1           | 0.5                  | In,Out           | 2.9                   | 23                       | 1           | 100          | 85            | 80            | —                  | -40 to 125                       | SOT23-5             |
| RS321BK     | 1                      | 4.5               | 0.085           | 2.5~5.5                  | 1.0           | 0.45                 | In,Out           | 2.0                   | 22                       | 10          | 100          | 75            | 85            | —                  | -40 to 125                       | SC70-5, SOT23-5     |
| RS321P      | 1                      | 0.5               | 0.085           | 2.1~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                       | 1           | 110          | 90            | 92            | —                  | -40 to 125                       | SC70-5, SOT23-5     |
| RS358       | 2                      | 4.5               | 0.06            | 2.5~5.5                  | 1.1           | 0.5                  | In,Out           | 2.9                   | 22                       | 10          | 105          | 90            | 90            | —                  | -40 to 125                       | SOP8,MSOP8,DFN2X2-8 |
| RS358A      | 2                      | 4.5               | 0.06            | 2.5~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                       | 10          | 105          | 90            | 90            | —                  | -40 to 125                       | SOP8,MSOP8          |

通用运算放大器 | General Operational Amplifier

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| Part Number | Amplifiers per Package | Vos Max@25°C (mV) | Iq/Amp Typ (mA) | Total Supply Voltage (V) | GBW Typ (MHz) | Slew Rate Typ (V/μs) | Rail-to-Rail I/O | TC of Vos Typ (μV/°C) | Enosie Typ@1kHz (nV/√ Hz) | IB Typ (pA) | AOL Typ (dB) | PSRR Typ (dB) | CMRR Typ (dB) | Additional Feature  | Operating Temperature Range (°C) | Package                             |
|-------------|------------------------|-------------------|-----------------|--------------------------|---------------|----------------------|------------------|-----------------------|---------------------------|-------------|--------------|---------------|---------------|---------------------|----------------------------------|-------------------------------------|
| RS324       | 4                      | 4.5               | 0.06            | 2.5~5.5                  | 1.1           | 0.5                  | In,Out           | 2.9                   | 22                        | 10          | 105          | 90            | 90            | —                   | -40 to 125                       | SOP14,TSSOP14                       |
| RS324A      | 4                      | 4.5               | 0.06            | 2.5~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                        | 10          | 105          | 90            | 90            | —                   | -40 to 125                       | SOP14,TSSOP14                       |
| RS6331      | 1                      | 3.0               | 0.058           | 2.2~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                        | 1           | 110          | 90            | 90            | —                   | -40 to 125                       | SOT23-5                             |
| RS6331E     | 1                      | 0.8               | 0.0625          | 2.2~5.5                  | 1.4           | 0.5                  | In,Out           | 1.0                   | 47                        | 1           | 122          | 92            | 93            | High output current | -40 to 125                       | SOT23-5,SC70-5                      |
| RS6331P     | 1                      | 0.5               | 0.085           | 2.1~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                        | 10          | 120          | 92            | 95            | —                   | -40 to 125                       | SOT23-5                             |
| RS6331BP    | 1                      | 0.5               | 0.085           | 2.1~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                        | 10          | 120          | 92            | 95            | —                   | -40 to 125                       | SC70-5, SOT23-5                     |
| RS6331S     | 1                      | 3.0               | 0.058           | 2.2~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                        | 1           | 110          | 90            | 90            | Shutdown            | -40 to 125                       | SOT23-6                             |
| RS6331K     | 1                      | 3.0               | 0.085           | 2.1~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                        | 1           | 110          | 92            | 95            | —                   | -40 to 125                       | SOT23-5                             |
| RS6332      | 2                      | 3.0               | 0.058           | 2.2~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                        | 1           | 110          | 90            | 90            | —                   | -40 to 125                       | SOP8,MSOP8,TSSOP8                   |
| RS6332E     | 2                      | 0.8               | 0.0625          | 2.2~5.5                  | 1.4           | 0.5                  | In,Out           | 1.0                   | 47                        | 1           | 122          | 92            | 93            | High output current | -40 to 125                       | SOP8,MSOP8,TSSOP8, DFN2X2-8,SOT23-8 |
| RS6332P     | 2                      | 0.5               | 0.085           | 2.1~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                        | 10          | 120          | 92            | 95            | —                   | -40 to 125                       | SOP8,MSOP8                          |
| RS6332XTDE8 | 2                      | 3.0               | 0.0625          | 2.2~5.5                  | 1.4           | 0.5                  | In,Out           | 1.0                   | /                         | 1           | 122          | 92            | 93            |                     | -40 to 125                       | DFN2X2-8                            |
| RS6332PXH8  | 2                      | 3.0               | 0.0625          | 2.2~5.5                  | 1.4           | 0.5                  | In,Out           | 1.0                   | /                         | 1           | 122          | 92            | 93            |                     | -40 to 125                       | SOT23-8                             |
| RS6334      | 4                      | 3.0               | 0.058           | 2.2~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                        | 1           | 110          | 90            | 90            | —                   | -40 to 125                       | SOP14,TSSOP14,QFN3X3-16             |
| RS6334E     | 4                      | 0.8               | 0.0625          | 2.2~5.5                  | 1.4           | 0.5                  | In,Out           | 1.0                   | 47                        | 1           | 122          | 92            | 93            | High output current | -40 to 125                       | SOP14,TSSOP14,QFN3X3-16             |
| RS6334P     | 4                      | 0.8               | 0.085           | 2.1~5.5                  | 1.1           | 0.5                  | In,Out           | 2.0                   | 22                        | 10          | 120          | 92            | 95            | —                   | -40 to 125                       | SOP14,TSSOP14                       |
| RS701       | 1                      | 1.0               | 0.0078          | 1.8~5.5                  | 0.22          | 0.1                  | In,Out           | 1.5                   | /                         | 10          | 100          | 92            | 92            | —                   | -40 to 125                       | SOT23-5,SC70-5                      |
| RS702       | 2                      | 1.0               | 0.0078          | 1.8~5.5                  | 0.22          | 0.1                  | In,Out           | 1.5                   | /                         | 10          | 100          | 92            | 92            | —                   | -40 to 125                       | SOP8,MSOP8                          |
| RS704       | 4                      | 1.0               | 0.0078          | 1.8~5.5                  | 0.22          | 0.1                  | In,Out           | 1.5                   | /                         | 10          | 100          | 92            | 92            | —                   | -40 to 125                       | SOP14,TSSOP14                       |
| RS8401*     | 1                      | 3.0               | 0.02            | 3.0~36                   | 0.23          | 0.11                 | Out              | 3.0                   | 45                        | 10          | 110          | 110           | 110           | —                   | -40 to 125                       | SOT23-5                             |
| RS8402*     | 2                      | 3.0               | 0.02            | 3.0~36                   | 0.23          | 0.11                 | Out              | 3.0                   | 45                        | 10          | 110          | 110           | 110           | —                   | -40 to 125                       | SOP8,MSOP8                          |
| RS8404*     | 4                      | 3.0               | 0.02            | 3.0~36                   | 0.23          | 0.11                 | Out              | 3.0                   | 45                        | 10          | 110          | 110           | 110           | —                   | -40 to 125                       | SOP14,TSSOP14                       |
| RS8411      | 1                      | 4.0               | 0.15            | 3.0~36                   | 1.2           | 0.67                 | Out              | 3.0                   | 45                        | 10          | 115          | 120           | 110           | —                   | -40 to 125                       | SOT23-5                             |
| RS8411BP    | 1                      | 1.5               | 0.15            | 3.0~36                   | 1.2           | 0.67                 | Out              | 3.0                   | 45                        | 10          | 115          | 120           | 110           | —                   | -40 to 125                       | SOT23-5                             |
| RS8412      | 2                      | 4.0               | 0.15            | 3.0~36                   | 1.2           | 0.67                 | Out              | 3.0                   | 45                        | 10          | 115          | 120           | 110           | —                   | -40 to 125                       | SOP8,MSOP8                          |
| RS8412P     | 2                      | 1.5               | 0.15            | 3.0~36                   | 1.2           | 0.67                 | Out              | 3.0                   | 45                        | 10          | 115          | 120           | 110           | —                   | -40 to 125                       | SOP8,MSOP8                          |
| RS8414      | 4                      | 4.0               | 0.15            | 3.0~36                   | 1.2           | 0.67                 | Out              | 3.0                   | 45                        | 10          | 115          | 120           | 110           | —                   | -40 to 125                       | SOP14,TSSOP14                       |
| RS8414P     | 4                      | 1.5               | 0.15            | 3.0~36                   | 1.2           | 0.67                 | Out              | 3.0                   | 45                        | 10          | 115          | 120           | 110           | —                   | -40 to 125                       | SOP14                               |
| RS8417      | 1                      | 1.0               | 0.15            | 4~36                     | 1.5           | 4.5                  | In,Out           | 1.0                   | 34                        | 20          | 135          | 120           | 120           | RRIO,High slew rate | -40 to 125                       | SOT23-5                             |
| RS8418      | 2                      | 1.0               | 0.15            | 4~36                     | 1.5           | 4.5                  | In,Out           | 1.0                   | 34                        | 20          | 135          | 120           | 120           | RRIO,High slew rate | -40 to 125                       | SOP8,MSOP8                          |



通用运算放大器 | General Operational Amplifier

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| Part Number | Amplifiers per Package | Vos Max@25°C (mV) | Iq/Amp Typ (mA) | Total Supply Voltage (V) | GBW Typ (MHz) | Slew Rate Typ (V/μs) | Rail-to-Rail I/O | TC of Vos Typ (μV/°C) | Enosie Typ@1kHz (nV/√Hz) | IB Typ (pA) | AOL Typ (dB) | PSRR Typ (dB) | CMRR Typ (dB) | Additional Feature                       | Operating Temperature Range (°C) | Package           |
|-------------|------------------------|-------------------|-----------------|--------------------------|---------------|----------------------|------------------|-----------------------|--------------------------|-------------|--------------|---------------|---------------|------------------------------------------|----------------------------------|-------------------|
| RS8422      | 2                      | 3.0               | 1.8             | 4.4~36                   | 5.0           | 3.0                  | Out              | 5.0                   | 44                       | 10          | 100          | 120           | 110           | —                                        | -40 to 125                       | SOP8,MSOP8        |
| RS8422P     | 2                      | 1.5               | 1.8             | 4.4~36                   | 5.0           | 3.0                  | Out              | 5.0                   | 44                       | 10          | 100          | 120           | 110           | —                                        | -40 to 125                       | SOP8              |
| RS8424      | 4                      | 3.0               | 1.8             | 4.4~36                   | 5.0           | 3.0                  | Out              | 5.0                   | 44                       | 10          | 100          | 120           | 110           | —                                        | -40 to 125                       | SOP14             |
| RS8441      | 1                      | 1.0               | 0.44            | 3.0~32                   | 3.8           | 15                   | Out              | 2.0                   | 30                       | 10          | 120          | 120           | 120           | High slew rate                           | -40 to 125                       | SOT23-5           |
| RS8442      | 2                      | 1.0               | 0.44            | 3.0~32                   | 3.8           | 15                   | Out              | 2.0                   | 30                       | 10          | 120          | 120           | 120           | High slew rate                           | -40 to 125                       | SOP8,MSOP8,TSSOP8 |
| RS8444      | 4                      | 1.0               | 0.44            | 3.0~32                   | 3.8           | 15                   | Out              | 2.0                   | 30                       | 10          | 120          | 120           | 120           | High slew rate                           | -40 to 125                       | SOP14,TSSOP14     |
| RS8447      | 1                      | 1.0               | 0.5             | 4~36                     | 5             | 23                   | In,Out           | 2.0                   | 22                       | 500         | 130          | 115           | 120           | High slew rate                           | -40 to 125                       | SOT23-5           |
| RS8448      | 2                      | 1.0               | 0.5             | 4~36                     | 5             | 23                   | In,Out           | 2.0                   | 22                       | 500         | 130          | 115           | 120           | High slew rate                           | -40 to 125                       | SOP8,MSOP8        |
| RS8452      | 2                      | 3.0               | 3.0             | 5~36                     | 8.0           | 5.0                  | Out              | 5.0                   | 35                       | 10          | 100          | 110           | 110           | —                                        | -40 to 125                       | SOP8,MSOP8        |
| RS8452P     | 2                      | 1.5               | 3.0             | 5~36                     | 8.0           | 5.0                  | Out              | 5.0                   | 35                       | 10          | 100          | 110           | 110           | —                                        | -40 to 125                       | SOP8              |
| RS8454P     | 4                      | 1.5               | 3.0             | 5~36                     | 8.0           | 5.0                  | Out              | 5.0                   | 35                       | 10          | 100          | 110           | 110           | —                                        | -40 to 125                       | SOP14,TSSOP14     |
| RS8461P     | 1                      | 1.0               | 2.2             | 4.5~32                   | 10.0          | 24.0                 | Out              | 3.4                   | 40                       | 10          | 124          | 101           | 110           | High slew rate                           | -40 to 125                       | SOT23-5           |
| RS8462P     | 2                      | 1.0               | 2.2             | 4.5~32                   | 10.0          | 24.0                 | Out              | 3.4                   | 40                       | 10          | 124          | 101           | 110           | High slew rate                           | -40 to 125                       | SOP8              |
| RS8464P     | 4                      | 1.0               | 2.2             | 4.5~32                   | 10.0          | 24.0                 | Out              | 3.4                   | 40                       | 10          | 124          | 101           | 110           | High slew rate                           | -40 to 125                       | SOP14             |
| RS8467      | 1                      | 1.0               | 2.1             | 4~36                     | 9             | 36                   | In,Out           | 2.0                   | 20                       | 40          | 130          | 115           | 115           | High slew rate                           | -40 to 125                       | SOT23-5           |
| RS8468      | 2                      | 1.0               | 2.1             | 4~36                     | 9             | 36                   | In,Out           | 2.0                   | 20                       | 40          | 130          | 115           | 115           | High slew rate                           | -40 to 125                       | SOP8,MSOP8        |
| RS8471      | 1                      | 4.5               | 5.5             | 4.5~24                   | 25            | 65                   | In,Out           | 6.0                   | 45                       | 100         | 130          | 90            | 68            | High slew rate, High peak output current | -40 to 85                        | DFN3X3-8          |
| RS8474      | 4                      | 8.0               | 2.13            | 5.0~20                   | 35            | 80                   | In,Out           | 4.0                   | /                        | 10          | 105          | 85            | 85            | High slew rate, High peak output current | -40 to 85                        | ETSSOP14          |

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

| Part Number | Amplifiers per Package | Enoise Typ@1kHz (nV/√Hz) | GBW Typ (MHz) | Slew Rate Typ (V/μs) | Iq/Amp Typ (mA) | Total Supply Voltage (V) | Rail-to-Rail I/O | Vos Max@25°C (mV) | TC of Vos Typ (μV/°C) | IB Typ (pA) | AOL Typ (dB) | PSRR Typ (dB) | CMRR Typ (dB) | Additional Feature  | Operating Temperature Range (°C) | Package        |
|-------------|------------------------|--------------------------|---------------|----------------------|-----------------|--------------------------|------------------|-------------------|-----------------------|-------------|--------------|---------------|---------------|---------------------|----------------------------------|----------------|
| RS521       | 1                      | 15                       | 3.6           | 1.8                  | 0.26            | 2.5~5.5                  | In,Out           | 3                 | 2                     | 1           | 110          | 86            | 87            | —                   | -40 to 125                       | SOT23-5        |
| RS522       | 2                      | 15                       | 3.6           | 1.8                  | 0.26            | 2.5~5.5                  | In,Out           | 3                 | 2                     | 1           | 110          | 86            | 87            | —                   | -40 to 125                       | SOP8,MSOP8     |
| RS524       | 4                      | 15                       | 3.6           | 1.8                  | 0.26            | 2.5~5.5                  | In,Out           | 3                 | 2                     | 1           | 110          | 86            | 87            | —                   | -40 to 125                       | SOP14,TSSOP14  |
| RS621       | 1                      | 11                       | 7.0           | 3.7                  | 0.625           | 2.5~5.5                  | In,Out           | 3                 | 2                     | 1           | 106          | 93            | 92            | —                   | -40 to 125                       | SOT23-5,SC70-5 |
| RS621E      | 1                      | 14                       | 7.0           | 4.3                  | 0.625           | 2.5~5.5                  | In,Out           | 3                 | 2.3                   | 1           | 127          | 90            | 94            | High output current | -40 to 125                       | SOT23-5,SC70-5 |
| RS621K      | 1                      | 11                       | 7.0           | 3.7                  | 0.7             | 2.4~5.5                  | In,Out           | 3                 | 2                     | 1           | 110          | 92            | 95            | —                   | -40 to 125                       | SOT23-5        |
| RS621P      | 1                      | 11                       | 7.0           | 3.7                  | 0.72            | 2.5~5.5                  | In,Out           | 0.5               | 2                     | 1           | 110          | 96            | 96            | —                   | -40 to 125                       | SOT23-5        |



低噪声运算放大器

Low Noise Operational Amplifier

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| Part Number | Amplifiers per Package | Enoise Typ@1kHz (nV/√ Hz) | GBW Typ (MHz) | Slew Rate Typ (V/μs) | Iq/Amp Typ (mA) | Total Supply Voltage (V) | Rail-to-Rail I/O | Vos Max@25°C (mV) | TC of Vos Typ (μV/°C) | IB Typ (pA) | AOL Typ (dB) | PSRR Typ (dB) | CMRR Typ (dB) | Additional Feature  | Operating Temperature Range (°C) | Package                           |
|-------------|------------------------|---------------------------|---------------|----------------------|-----------------|--------------------------|------------------|-------------------|-----------------------|-------------|--------------|---------------|---------------|---------------------|----------------------------------|-----------------------------------|
| RS622       | 2                      | 11                        | 7.0           | 3.7                  | 0.6             | 2.5~5.5                  | In,Out           | 3                 | 2                     | 1           | 106          | 93            | 92            | —                   | -40 to 125                       | SOP8,MSOP8,TSSOP8,DFN3X3-8        |
| RS622A      | 2                      | 11                        | 7.0           | 3.7                  | 0.75            | 2.5~5.5                  | In,Out           | 3                 | 2                     | 1           | 106          | 93            | 92            | High output current | -40 to 125                       | TSSOP8                            |
| RS622E      | 2                      | 14                        | 7.0           | 4.3                  | 0.625           | 2.5~5.5                  | In,Out           | 3                 | 2.3                   | 1           | 127          | 90            | 94            | High output current | -40 to 125                       | SOP8,MSOP8,TSSOP8,DFN2X2-8        |
| RS622P      | 2                      | 11                        | 7.0           | 3.7                  | 0.72            | 2.5~5.5                  | In,Out           | 0.5               | 2                     | 1           | 110          | 96            | 96            | —                   | -40 to 125                       | SOP8,MSOP8                        |
| RS624       | 4                      | 11                        | 7.0           | 3.7                  | 0.6             | 2.5~5.5                  | In,Out           | 3                 | 2                     | 1           | 106          | 93            | 92            | —                   | -40 to 125                       | SOP14,TSSOP14,DFN3X2-14,QFN3X3-16 |
| RS624A      | 4                      | 11                        | 7.0           | 3.7                  | 0.75            | 2.5~5.5                  | In,Out           | 3                 | 2                     | 1           | 106          | 93            | 92            | High output current | -40 to 125                       | TSSOP14                           |
| RS624E      | 4                      | 14                        | 7.0           | 4.3                  | 0.625           | 2.5~5.5                  | In,Out           | 3                 | 2.3                   | 1           | 127          | 90            | 94            | High output current | -40 to 125                       | SOP14,TSSOP14,DFN3X2-14           |
| RS624P      | 4                      | 11                        | 7.0           | 3.7                  | 0.72            | 2.5~5.5                  | In,Out           | 0.5               | 2                     | 1           | 110          | 96            | 96            | —                   | -40 to 125                       | SOP14                             |
| RS721       | 1                      | 9.5                       | 10            | 7.0                  | 1.15            | 2.5~5.5                  | In,Out           | 2.5               | 2.6                   | 1           | 96           | 85            | 85            | —                   | -40 to 125                       | SOT23-5,DFN2X2-6                  |
| RS721E      | 1                      | 15                        | 13            | 8.0                  | 1.15            | 2.7~5.5                  | In,Out           | 0.8               | 2.6                   | 1           | 127          | 93            | 90            | High output current | -40 to 125                       | SOT23-5,SC70-5,DFN2X2-6           |
| RS721XC5    | 1                      | 9.5                       | 10            | 7.0                  | 1.15            | 2.5~5.5                  | In,Out           | 3                 | 2.6                   | 1           | 110          | 90            | 90            | —                   | -40 to 125                       | SC70-5                            |
| RS721P      | 1                      | 9.5                       | 10            | 6.0                  | 1.1             | 2.5~5.5                  | In,Out           | 0.5               | 2.6                   | 1           | 110          | 97            | 97            | —                   | -40 to 125                       | SOT23-5,SC70-5                    |
| RS721S      | 1                      | 9.5                       | 10            | 7.0                  | 1.15            | 2.5~5.5                  | In,Out           | 2.5               | 2.6                   | 1           | 96           | 85            | 85            | —                   | -40 to 125                       | SOT23-6                           |
| RS722       | 2                      | 9.5                       | 10            | 7.0                  | 1.15            | 2.5~5.5                  | In,Out           | 2.5               | 2.6                   | 1           | 96           | 85            | 85            | —                   | -40 to 125                       | SOP8,MSOP8,DFN2X2-8,DFN3X3-8      |
| RS722E      | 2                      | 15                        | 13            | 8.0                  | 1.15            | 2.7~5.5                  | In,Out           | 0.8               | 2.6                   | 1           | 127          | 93            | 90            | High output current | -40 to 125                       | SOP8,MSOP8,TSSOP8,DFN2X2-8        |
| RS722P      | 2                      | 9.5                       | 10            | 6.0                  | 1.1             | 2.5~5.5                  | In,Out           | 0.5               | 2.6                   | 1           | 110          | 97            | 97            | —                   | -40 to 125                       | SOP8,MSOP8                        |
| RS724       | 4                      | 9.5                       | 10            | 7.0                  | 1.15            | 2.5~5.5                  | In,Out           | 2.5               | 2.6                   | 1           | 96           | 85            | 85            | —                   | -40 to 125                       | SOP14,TSSOP14                     |
| RS724E      | 4                      | 15                        | 13            | 8.0                  | 1.15            | 2.7~5.5                  | In,Out           | 0.8               | 2.6                   | 1           | 127          | 93            | 90            | High output current | -40 to 125                       | SOP14,TSSOP14                     |
| RS724P      | 4                      | 9.5                       | 10            | 6.0                  | 1.1             | 2.5~5.5                  | In,Out           | 0.8               | 2.6                   | 1           | 110          | 97            | 97            | —                   | -40 to 125                       | SOP14,TSSOP14                     |
| RS821       | 1                      | 8.5                       | 14            | 10                   | 1.9             | 2.5~5.5                  | In,Out           | 2.5               | 1.6                   | 1           | 100          | 88            | 88            | —                   | -40 to 125                       | SOT23-5                           |
| RS821S      | 1                      | 8.5                       | 14            | 10                   | 1.9             | 2.5~5.5                  | In,Out           | 2.5               | 1.6                   | 1           | 100          | 88            | 88            | Shutdown            | -40 to 125                       | SOT23-6                           |
| RS821P      | 1                      | 9.0                       | 14            | 10                   | 1.6             | 2.7~5.5                  | In,Out           | 0.8               | 2                     | 3           | 129          | 88            | 88            | —                   | -40 to 125                       | SOT23-5                           |
| RS822       | 2                      | 8.5                       | 14            | 10                   | 1.9             | 2.5~5.5                  | In,Out           | 2.5               | 1.6                   | 1           | 100          | 88            | 88            | —                   | -40 to 125                       | SOP8,MSOP8,DFN2X2-8               |
| RS822S      | 2                      | 8.5                       | 14            | 10                   | 1.9             | 2.5~5.5                  | In,Out           | 2.5               | 1.6                   | 1           | 100          | 88            | 88            | Shutdown            | -40 to 125                       | MSOP10                            |
| RS822P      | 2                      | 9.0                       | 14            | 10                   | 1.6             | 2.7~5.5                  | In,Out           | 0.8               | 2                     | 3           | 129          | 88            | 88            | —                   | -40 to 125                       | SOP8,MSOP8                        |
| RS824       | 4                      | 8.5                       | 14            | 10                   | 1.9             | 2.5~5.5                  | In,Out           | 2.5               | 1.6                   | 1           | 100          | 88            | 88            | —                   | -40 to 125                       | SOP14,TSSOP14                     |
| RS824P      | 4                      | 9.0                       | 14            | 10                   | 1.6             | 2.7~5.5                  | In,Out           | 0.8               | 2                     | 3           | 129          | 88            | 88            | —                   | -40 to 125                       | SOP14,TSSOP14                     |
| RS8701      | 1                      | 4.4                       | 50            | 40                   | 7.0             | 2.2~5.5                  | In,Out           | 0.2               | 1.6                   | 50          | 124          | 107           | 100           | Zero-Crossover      | -40 to 125                       | SOT23-5                           |
| RS8702      | 2                      | 4.4                       | 50            | 40                   | 7.0             | 2.2~5.5                  | In,Out           | 0.2               | 1.6                   | 50          | 124          | 107           | 100           | Zero-Crossover      | -40 to 125                       | SOP8,MSOP8                        |
| RS8704      | 4                      | 4.4                       | 50            | 40                   | 7.0             | 2.2~5.5                  | In,Out           | 0.2               | 1.6                   | 50          | 124          | 107           | 100           | Zero-Crossover      | -40 to 125                       | SOP14                             |

微功耗运算放大器 | Micro Power Operational Amplifier

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| Part Number | Amplifiers per Package | Iq/Amp Typ (μA) | Total Supply Voltage (V) | GBW Typ (KHz) | Slew Rate Typ (V/ms) | Enoise Typ@1kHz (nV/√Hz) | Vos Max@25°C (mV) | TC of Vos Typ (μV/°C) | IB Typ (pA) | AOL Typ (dB) | PSRR Typ (dB) | CMRR Typ (dB) | Rail-to-Rail I/O | Additional Feature | Operating Temperature Range (°C) | Package             |
|-------------|------------------------|-----------------|--------------------------|---------------|----------------------|--------------------------|-------------------|-----------------------|-------------|--------------|---------------|---------------|------------------|--------------------|----------------------------------|---------------------|
| RS8021      | 1                      | 0.4             | 1.4~5.5                  | 5             | 1.5                  | 360                      | 3                 | 2.3                   | 1           | 106          | 70            | 90            | In,Out           | —                  | -40 to 125                       | SOT23-5             |
| RS8031      | 1                      | 0.8             | 1.4~5.5                  | 15            | 7.5                  | 160                      | 4                 | 2.3                   | 1           | 106          | 70            | 90            | In,Out           | —                  | -40 to 125                       | SOT23-5             |
| RS8032      | 2                      | 0.8             | 1.4~5.5                  | 15            | 7.5                  | 160                      | 4                 | 2.3                   | 1           | 106          | 70            | 90            | In,Out           | —                  | -40 to 125                       | SOP8,MSOP8,DFN2X2-8 |
| RS8034      | 4                      | 0.8             | 1.4~5.5                  | 15            | 7.5                  | 160                      | 4                 | 2.3                   | 1           | 106          | 70            | 90            | In,Out           | —                  | -40 to 125                       | SOP14,TSSOP14       |
| RS8051      | 1                      | 0.67            | 1.4~5.5                  | 100           | 30                   | 160                      | 5                 | 2.3                   | 1           | 85           | 70            | 75            | In,Out           | —                  | -40 to 125                       | SOT23-5             |
| RS8052      | 2                      | 0.67            | 1.4~5.5                  | 100           | 30                   | 160                      | 5                 | 2.3                   | 1           | 85           | 70            | 75            | In,Out           | —                  | -40 to 125                       | SOP8,MSOP8,DFN2X2-8 |
| RS8054      | 4                      | 0.67            | 1.4~5.5                  | 100           | 30                   | 160                      | 5                 | 2.3                   | 1           | 85           | 70            | 75            | In,Out           | —                  | -40 to 125                       | SOP14               |
| RS8055      | 1                      | 0.70            | 1.8~5.5                  | 8             | 3.5                  | 340                      | 0.035             | 0.1                   | 30          | 110          | 110           | 115           | In,Out           | No Phase Reversal  | -40 to 125                       | SOT23-5,SC70-5      |
| RS8056      | 2                      | 0.70            | 1.8~5.5                  | 8             | 3.5                  | 340                      | 0.035             | 0.1                   | 30          | 110          | 110           | 115           | In,Out           | No Phase Reversal  | -40 to 125                       | SOP8,MSOP8,DFN2X2-8 |

仪表放大器 | Instrumentation Amplifier

| Part Number | Common Mode Voltage (V) | Supply Voltage (V) | Input Offset (+/-)(Max) (μV) | Input Offset Drift (+/-)(Typ) (μV/°C) | Gain (V/V)   | Gain Error (Typ) (%) | Gain vs Temperature (Typ) (ppm/°C) | CMRR (Min) (dB) | Bandwidth at min Gain (kHz) | Slew Rate Typ @G=10 (V/μs) | Iq (Max) (mA) | Operating Temperature Range (°C) | Package |
|-------------|-------------------------|--------------------|------------------------------|---------------------------------------|--------------|----------------------|------------------------------------|-----------------|-----------------------------|----------------------------|---------------|----------------------------------|---------|
| RS333       | (V-)+0.1~(V+)-0.1       | 1.8~5.5            | ±25±75/G                     | ±0.25±0.15/G                          | 1~1000       | 0.05                 | 25                                 | 80              | 125                         | 0.03@G=100                 | 0.13          | -40 to 125                       | MSOP8   |
| RS620       | (V-)+0.1V ~ (V+)-1.5V   | 4.5~36             | ±50±80/G                     | ±0.15±4/G                             | 1~1000       | 0.1                  | 15                                 | 90              | 1800                        | 1.5                        | 2.65          | -40 to 125                       | SOP8    |
| RS631B      | (V-)+0.6V ~ (V+)-1.5V   | 4.6~32             | 150                          | 10                                    | 10           | 0.21                 | 18                                 | 90              | 900                         | 1.1                        | 4.5           | -40 to 125                       | SOP8    |
| RS633       | (V-)+0.1~(V+)-0.1       | 2.3~5.5            | 15+150/G                     | 1.5                                   | 10,20,50,100 | 0.15                 | 15                                 | 95              | 150                         | 0.21                       | 0.28          | -40 to 125                       | MSOP8   |

■ 电流检测放大器 | Current-sense Amplifier

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| Part Number | Common Mode Voltage (V) | Supply Voltage (V) | Input Offset (+/-)(Max) (μV) | Input Offset Drift (+/-)(Typ) (μV/°C) | Gain (V/V)   | Gain Error (Max) (%) | Gain vs Temperature (Typ) (ppm/°C) | CMRR (Min) (dB) | Bandwidth at min Gain (kHz) | Slew Rate Typ @G=10 (V/μs) | Iq (Max) (mA) | Operating Temperature Range (°C) | Package               |
|-------------|-------------------------|--------------------|------------------------------|---------------------------------------|--------------|----------------------|------------------------------------|-----------------|-----------------------------|----------------------------|---------------|----------------------------------|-----------------------|
| RSA190      | -6.0~42                 | 2.3~5.5            | 30                           | 0.2                                   | 25,50,100    | 0.1                  | 7                                  | 120             | 160                         | 0.7                        | 0.09          | -40 to 125                       | SC70-6                |
| RSA193      | -16~105                 | 4.0~18             | 2000                         | 2.5                                   | 20,50,100    | 1.0                  | /                                  | 110             | 550                         | 0.65                       | 1.4           | -40 to 125                       | SOT23-5               |
| RS181       | -0.1~30                 | 3~5.5              | 130                          | 0.5                                   | 20,50,100    | 1.0                  | 4.5                                | 95              | 400                         | 2.0                        | 0.28          | -40 to 125                       | SOT23-6               |
| RS199       | 0~26                    | 2.7~26             | 350                          | 2                                     | 50           | 1.5                  | 10                                 | 85              | 25                          | 0.12                       | 0.13          | -40 to 125                       | SC70-6                |
| RS199XP     | -0.1~28                 | 2.7~28             | 120                          | 0.3                                   | 50,100,200   | 0.5                  | 4.5                                | 100             | 60                          | 0.5                        | 0.17          | -40 to 125                       | SC70-6,UQFN1.4X1.8-10 |
| RSA240      | -5.0~100                | 2.7~5.5            | 30                           | /                                     | 20,50,100    | 0.1                  | 5                                  | 135             | 500                         | 2.3                        | 2.0           | -40 to 125                       | TSSOP8,SOP8           |
| RS299       | 4.5~76                  | 4.5~76             | 800                          | /                                     | 20,50,60,100 | 0.8                  | /                                  | 105             | 135                         | /                          | 0.18          | -40 to 125                       | MSOP8                 |
| RSA4080     | 5.0~100                 | 5.0~100            | 400                          | /                                     | 20,50,60,100 | 0.5                  | /                                  | 125             | 180                         | /                          | 0.15          | -40 to 125                       | SOP8                  |
| RSA4081     | 5.0~100                 | 5.0~100            | 400                          | /                                     | 20,50,60,100 | 0.5                  | /                                  | 125             | 180                         | /                          | 0.16          | -40 to 125                       | SOP8                  |

■ 低功耗比较器 | Micro Power Comparator

| Part Number | Number of Channels | Iq per channel (Typ) (nA) | Feature      | Vcc (V) | Vos (@ 25°C) (Max) (mV) | Propagation Delay (L to H@ Overdrive = 100 mV) (μs) | Propagation Delay (H to L@ Overdrive = 100 mV) (μs) | TRise @Vcc=5V (ns) | TFall @Vcc=5V (ns) | Logic Output Type | Operating Temperature Range (°C) | Package              |
|-------------|--------------------|---------------------------|--------------|---------|-------------------------|-----------------------------------------------------|-----------------------------------------------------|--------------------|--------------------|-------------------|----------------------------------|----------------------|
| RS8901      | 1                  | 400                       | N            | 1.4~5.5 | 3                       | 21                                                  | 9                                                   | 240                | 260                | Push-Pull         | -40 to 125                       | SOT23-5,SC70-5       |
| RS8905      | 2                  | 400                       | N            | 1.4~5.5 | 3                       | 21                                                  | 9                                                   | 240                | 260                | Push-Pull         | -40 to 125                       | SOP8,MSOP8           |
| RS8907      | 1                  | 400                       | N            | 1.4~5.5 | 3                       | 21                                                  | 9                                                   | 240                | 260                | Push-Pull         | -40 to 125                       | SOT23-5,SC70-5       |
| RS8912      | 1                  | 4850                      | 1.2V Ref Out | 2.5~5.5 | 3.5                     | 10                                                  | 10                                                  | 12000              | 12000              | Push-Pull         | -40 to 125                       | SOT23-6,DFN1.6X1.6-6 |



高速比较器

High Speed Comparator

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| Part Number | Comparators per Package | Iq/Comp Typ (μA) | Input Common Mode Voltage Range(V) | Vcc (V)  | Vos Max@25°C (mV) | t , H to L @Vcc=5V PD(ns) | t , L to H @Vcc=5V PD(ns) | TRise @Vcc=5V (ns) | TFall @Vcc=5V (ns) | Logic Output | Operating Temperature Range (°C) | Package        |
|-------------|-------------------------|------------------|------------------------------------|----------|-------------------|---------------------------|---------------------------|--------------------|--------------------|--------------|----------------------------------|----------------|
| RS8904      | 1                       | 120              | (V-)-0.1~(V+)+0.1                  | 2.7~5.5  | 20                | 25                        | 30                        | 2                  | 2                  | Push-Pull    | -40 to 125                       | SOT23-5,SC70-5 |
| RS8920      | 2                       | 186              | (V-) ~(V+)-1.5                     | 2.8~36   | 3.5               | 40                        | —                         | /                  | 10                 | Open-Drain   | -40 to 125                       | SOP8,MSOP8     |
| RS8931      | 1                       | 2500             | (V-)-0.2~(V+)+0.2                  | 2.7~5.5  | 5                 | 10                        | 10                        | 2.2                | 2.5                | Push-Pull    | -40 to 125                       | SOT23-5        |
| RS8931S     | 1                       | 2500             | (V-)-0.2~(V+)+0.2                  | 2.7~5.5  | 5                 | 10                        | 10                        | 2.2                | 2.5                | Push-Pull    | -40 to 125                       | SOT23-6        |
| RS8932      | 2                       | 2500             | (V-)-0.2~(V+)+0.2                  | 2.7~5.5  | 5                 | 10                        | 10                        | 2.2                | 2.5                | Push-Pull    | -40 to 125                       | SOP8,MSOP8     |
| RS8940 *    | 1                       | 14.5             | (V-)-0.2~(V+)+0.2                  | 1.65~5.5 | 2.0               | 100                       | 150                       | /                  | 3                  | Open-Drain   | -40 to 125                       | SOT23-5        |
| RS8942      | 2                       | 14.5             | (V-)-0.2~(V+)+0.2                  | 1.65~5.5 | 2.0               | 100                       | 150                       | /                  | 3                  | Open-Drain   | -40 to 125                       | SOP8,MSOP8     |
| RS8944 *    | 4                       | 14.5             | (V-)-0.2~(V+)+0.2                  | 1.65~5.5 | 2.0               | 100                       | 150                       | /                  | 3                  | Open-Drain   | -40 to 125                       | SOP14,TSSOP14  |
| RS8950      | 1                       | 14.5             | (V-)-0.2~(V+)+0.2                  | 1.65~5.5 | 2.0               | 95                        | 95                        | 3                  | 3                  | Push-Pull    | -40 to 125                       | SOT23-5,SC70-5 |
| RS8951      | 1                       | 14.5             | (V-)-0.2~(V+)+0.2                  | 1.65~5.5 | 2.0               | 95                        | 95                        | 3                  | 3                  | Push-Pull    | -40 to 125                       | SOT23-5,SC70-5 |
| RS8952      | 2                       | 14.5             | (V-)-0.2~(V+)+0.2                  | 1.65~5.5 | 2.0               | 95                        | 95                        | 3                  | 3                  | Push-Pull    | -40 to 125                       | SOP8,MSOP8     |
| RS8954 *    | 4                       | 14.5             | (V-)-0.2~(V+)+0.2                  | 1.65~5.5 | 2.0               | 95                        | 95                        | 3                  | 3                  | Push-Pull    | -40 to 125                       | SOP14,TSSOP14  |
| RS8950R     | 1                       | 30               | (V-)-0.2~(V+)+0.2                  | 1.8~5.5  | 2.0               | 95                        | 95                        | 3                  | 3                  | Push-Pull    | -40 to 125                       | SOT23-5,SC70-5 |
| RS8951R     | 1                       | 30               | (V-)-0.2~(V+)+0.2                  | 1.8~5.5  | 2.0               | 95                        | 95                        | 3                  | 3                  | Push-Pull    | -40 to 125                       | SOT23-5,SC70-5 |
| RS8952R     | 2                       | 30               | (V-)-0.2~(V+)+0.2                  | 1.8~5.5  | 2.0               | 95                        | 95                        | 3                  | 3                  | Push-Pull    | -40 to 125                       | SOP8,MSOP8     |
| RS8954R     | 4                       | 30               | (V-)-0.2~(V+)+0.2                  | 1.8~5.5  | 2.0               | 95                        | 95                        | 3                  | 3                  | Push-Pull    | -40 to 125                       | SOP14,TSSOP14  |
| RS331       | 1                       | 50               | (V-)-0.1~(V+)+0.1                  | 1.8~5.5  | 3.5               | 185                       | 700                       | /                  | 42                 | Open-Drain   | -40 to 125                       | SOT23-5        |
| RS393       | 2                       | 50               | (V-)-0.1~(V+)+0.1                  | 1.8~5.5  | 3.5               | 185                       | 700                       | /                  | 42                 | Open-Drain   | -40 to 125                       | SOP8,MSOP8     |
| RS339       | 4                       | 50               | (V-)-0.1~(V+)+0.1                  | 1.8~5.5  | 3.5               | 185                       | 700                       | /                  | 42                 | Open-Drain   | -40 to 125                       | SOP14,TSSOP14  |
| LM331       | 1                       | 65               | (V-)+0.5~(V+)-1.5                  | 3.0~32   | 7.5               | 300                       | 300                       | /                  | /                  | Open-Drain   | -40 to 125                       | SOT23-5        |
| LM393       | 2                       | 20               | (V-) ~(V+)-1.5                     | 3.0~32   | 4.5               | 2000                      | 6100                      | /                  | /                  | Open-Drain   | -40 to 125                       | SOP8           |
| LM2903      | 2                       | 55               | (V-) ~(V+)-1.5                     | 3.3~32   | 3.5               | 500                       | 1600                      | /                  | /                  | Open-Drain   | -40 to 125                       | SOP8,MSOP8     |
| LM2903V     | 2                       | 190              | (V-) ~(V+)-1.5                     | 3.3~32   | 3.5               | 300                       | 600                       | /                  | /                  | Open-Drain   | -40 to 125                       | SOP8,MSOP8     |
| LM2901      | 4                       | 45               | (V-) ~(V+)-1.5                     | 3.3~32   | 4.5               | 400                       | 800                       | /                  | /                  | Open-Drain   | -40 to 125                       | SOP14,TSSOP14  |
| LM2901V     | 4                       | 190              | (V-) ~(V+)-1.5                     | 3.3~32   | 3.5               | 300                       | 600                       | /                  | /                  | Open-Drain   | -40 to 125                       | SOP14,TSSOP14  |

# 模拟开关

## ANALOG SWITCHES

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### 模拟开关 | Analog Switches

| Part Number | Channel | Type | R <sub>ON</sub> (@5V) (Ω) | -3dB Bandwidth (MHz) | V <sub>CC</sub> (Min) (V) | V <sub>CC</sub> (Max) (V) | I <sub>q</sub> (μA) | V <sub>INH</sub> (Min) (@5V) (V) | V <sub>INL</sub> (Max) (@5V) (V) | t <sub>ON</sub> (@5V) (ns) | t <sub>OFF</sub> (@5V) (ns) | Operating Temperature Range (°C) | Package                 |
|-------------|---------|------|---------------------------|----------------------|---------------------------|---------------------------|---------------------|----------------------------------|----------------------------------|----------------------------|-----------------------------|----------------------------------|-------------------------|
| RS2056      | 1       | 1:2  | 0.9                       | 100                  | 1.65                      | 5.5                       | 1                   | 2.0                              | 1.0                              | 11                         | 7                           | -40 to 125                       | SC70-6,SOT23-6          |
| RS2057      | 1       | 1:2  | 4.5                       | 300                  | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 30                         | 25                          | -40 to 125                       | SC70-6,SOT23-6          |
| RS2057A     | 1       | 1:2  | 4.5                       | 340                  | 1.65                      | 5.5                       | 1                   | 0.7V <sub>CC</sub>               | 0.3V <sub>CC</sub>               | 8                          | 8                           | -40 to 125                       | SC70-6,SOT23-6          |
| RS2058      | 2       | 1:2  | 4.5                       | 300                  | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 30                         | 25                          | -40 to 125                       | MSOP10,UQFN1.4X1.8-10   |
| RS2099      | 4       | 1:2  | 0.6                       | 30                   | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 50                         | 15                          | -40 to 125                       | QFN3X3-16,TSSOP16       |
| RS2101      | 1       | 1:2  | 3.0                       | 120                  | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 29                         | 17                          | -40 to 125                       | SC70-6                  |
| RS2102      | 2       | 1:2  | 3.0                       | 120                  | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 29                         | 17                          | -40 to 125                       | MSOP10                  |
| RS2103      | 1       | 1:2  | 0.6                       | 30                   | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 50                         | 15                          | -40 to 125                       | SC70-6,SOT23-6,MSOP8    |
| RS2105      | 2       | 1:2  | 0.6                       | 30                   | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 50                         | 15                          | -40 to 125                       | MSOP10,DFN3X3-10        |
| RS2117H     | 2       | 1:2  | 4                         | 250                  | 2.5                       | 5.5                       | 1                   | 1.5                              | 0.5                              | 25                         | 20                          | -40 to 85                        | UQFN1.4X1.8-10,MSOP10   |
| RS2118H     | 2       | 1:2  | 0.8                       | 80                   | 2.5                       | 5.5                       | 1                   | 1.5                              | 0.5                              | 33                         | 54                          | -40 to 85                        | UQFN1.4X1.8-10          |
| RS2166      | 1       | 1:1  | 4.5                       | 300                  | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 30                         | 25                          | -40 to 125                       | SOT23-5, SC70-5         |
| RS2227      | 2       | 1:2  | 6                         | 550                  | 1.8                       | 5.5                       | 1                   | 1.6                              | 0.5                              | 20                         | 15                          | -40 to 85                        | MSOP10,UQFN1.4X1.8-10   |
| RS2227A     | 2       | 1:2  | 6                         | 640                  | 1.8                       | 5.5                       | 1                   | 1.6                              | 0.5                              | 20                         | 15                          | -40 to 85                        | MSOP10,UQFN1.4X1.8-10   |
| RS2228      | 2       | 1:2  | 6                         | 550                  | 1.8                       | 5.5                       | 1                   | 1.6                              | 0.5                              | 20                         | 15                          | -40 to 85                        | UQFN1.4X1.8-10,MSOP10   |
| RS2228A     | 2       | 1:2  | 6                         | 640                  | 1.8                       | 5.5                       | 1                   | 1.6                              | 0.5                              | 20                         | 15                          | -40 to 85                        | UQFN1.4X1.8-10,MSOP10   |
| RS2229*     | 2       | 1:2  | 6                         | 550                  | 1.8                       | 5.5                       | 1                   | 1.6                              | 0.4                              | 50                         | 40                          | -40 to 85                        | UQFN2.0X1.5-10          |
| RS2233      | 4       | 1:2  | 8                         | 220                  | 1.8                       | 5.5                       | 1                   | 2.0                              | 0.5                              | 13                         | 30                          | -40 to 125                       | TSSOP16,SOP16,SSOP16    |
| RS2233A*    | 4       | 1:2  | 8                         | 400                  | 1.65                      | 3.6                       | 1                   | 2.0 @3.3V                        | 0.8 @3.3V                        | 8                          | 8                           | -40 to 125                       | TSSOP16,UQFN-2.6*1.8-16 |
| RS2236*     | 6       | 1:2  | 4.5                       | 350                  | 1.2                       | 3.6                       | 3                   | 1.2 @3.3V                        | 0.65 @3.3V                       | 5                          | 5                           | -40 to 125                       | TSSOP24,QFN4X4-24       |
| RS2237      | 2       | 1:2  | 1.3/5                     | 690                  | 2.7                       | 5.5                       | 26                  | 1.8                              | 0.4                              | 11.5                       | 10.5                        | -40 to 85                        | UQFN1.4X1.8-10          |

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模拟开关 | Analog Switches

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| Part Number | Channel | Type | R <sub>ON</sub> (@5V) (Ω) | -3dB Bandwidth (MHz) | V <sub>CC</sub> (Min) (V) | V <sub>CC</sub> (Max) (V) | I <sub>q</sub> (μA) | V <sub>INH</sub> (Min) (@5V) (V) | V <sub>INL</sub> (Max) (@5V) (V) | t <sub>ON</sub> (@5V) (ns) | t <sub>OFF</sub> (@5V) (ns) | Operating Temperature Range (°C) | Package                        |
|-------------|---------|------|---------------------------|----------------------|---------------------------|---------------------------|---------------------|----------------------------------|----------------------------------|----------------------------|-----------------------------|----------------------------------|--------------------------------|
| RS2251      | 1       | 1:8  | 48                        | 180                  | 2.5                       | 5.5                       | 3                   | 1.7                              | 0.5                              | 65                         | 80                          | -40 to 125                       | SOP16,TSSOP16,QFN3X3-16        |
| RS2251F     | 1       | 1:8  | 53                        | 200                  | 2.5                       | 5.5                       | 3                   | 1.8                              | 0.7                              | 70                         | 100                         | -40 to 125                       | SOP16,TSSOP16,QFN3X3-16        |
| RS2252      | 2       | 1:4  | 48                        | 180                  | 2.5                       | 5.5                       | 1                   | 1.7                              | 0.5                              | 70                         | 80                          | -40 to 125                       | SOP16,TSSOP16,QFN3X3-16        |
| RS2252F     | 2       | 1:4  | 53                        | 200                  | 2.5                       | 5.5                       | 3                   | 1.8                              | 0.7                              | 70                         | 100                         | -40 to 125                       | SOP16,SSOP16,TSSOP16,QFN3X3-16 |
| RS2253      | 3       | 1:2  | 48                        | 180                  | 2.5                       | 5.5                       | 1                   | 1.7                              | 0.5                              | 90                         | 70                          | -40 to 125                       | SOP16,SSOP16,TSSOP16,QFN3X3-16 |
| RS2254      | 4       | 1:1  | 24                        | 180                  | 2.5                       | 5.5                       | 1                   | 1.7                              | 0.5                              | 90                         | 70                          | -40 to 125                       | TSSOP14,SOP14                  |
| RS2255      | 1       | 1:4  | 24                        | 180                  | 2.5                       | 5.5                       | 1                   | 1.7                              | 0.5                              | 90                         | 70                          | -40 to 125                       | MSOP10                         |
| RS2257      | 1       | 1:2  | 0.6                       | 30                   | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 50                         | 15                          | -40 to 125                       | SC70-6,SOT23-6                 |
| RS2259      | 4       | 1:1  | 0.6                       | 30                   | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 50                         | 15                          | -40 to 125                       | TSSOP16                        |
| RS2259B     | 4       | 1:1  | 0.6                       | 30                   | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 50                         | 15                          | -40 to 125                       | TSSOP16                        |
| RS2260      | 1       | 1:8  | 105                       | 150                  | 2.0                       | 6.0                       | 2                   | 3.5                              | 1.5                              | 14.5                       | 121.5                       | -40 to 125                       | SOP16,TSSOP16,QFN2.5X3.5-16    |
| RS2266      | 2       | 1:1  | 4.5                       | 300                  | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 30                         | 25                          | -40 to 125                       | DFN2x3-8,MSOP8                 |
| RS2268      | 4       | 1:1  | 4.5                       | 300                  | 1.8                       | 5.5                       | 4                   | 1.5                              | 0.6                              | 30                         | 25                          | -40 to 125                       | TSSOP14,SSOP16                 |
| RS2268A     | 4       | 1:2  | 4.5                       | 340                  | 1.65                      | 5.5                       | 1                   | 0.7V <sub>CC</sub>               | 0.3V <sub>CC</sub>               | 8                          | 8                           | -40 to 125                       | QFN2.5X3-14                    |
| RS2274      | 2       | 1:4  | 5@3.3V                    | 550                  | 2.5                       | 4.4                       | 8                   | 1                                | 0.35                             | 200                        | 90                          | -40 to 125                       | UQFN2.6X1.8-16                 |
| RS2299      | 4       | 1:2  | 4.5                       | 300                  | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 30                         | 25                          | -40 to 125                       | QFN3X3-16                      |
| RS2323      | 2       | 1:2  | 0.6                       | 30                   | 1.8                       | 5.5                       | 1                   | 1.5                              | 0.6                              | 50                         | 15                          | -40 to 125                       | UQFN1.4X1.8-10                 |
| RS23151 *   | 1       | 1:8  | 50 @10V                   | 200                  | 3.0                       | 12                        | 8                   | 0.7V <sub>CC</sub>               | 0.3V <sub>CC</sub>               | 35                         | 20                          | -40 to 125                       | TSSOP16,QFN3X3-16              |
| RS23167 *   | 1       | 1:16 | 50 @10V                   | 120                  | 3.0                       | 12                        | 15                  | 0.7V <sub>CC</sub>               | 0.3V <sub>CC</sub>               | 35                         | 20                          | -40 to 125                       | TSSOP24,QFN3.5X5.5-24          |
| RS23251 *   | 1       | 1:8  | 60 @24V                   | 300                  | 4.0                       | 24                        | 25                  | 1.6                              | 0.8                              | 60                         | 60                          | -40 to 125                       | TSSOP16,QFN3.5X2.5-16          |
| RMUX1308    | 1       | 1:8  | 85                        | 180                  | 1.6                       | 5.5                       | 1                   | 1.4                              | 0.9                              | 33                         | 33                          | -40 to 125                       | TSSOP16,QFN3.5X2.5-16          |
| RMUX1309    | 2       | 1:4  | 95                        | 220                  | 1.6                       | 5.5                       | 1                   | 1.4                              | 0.9                              | 35                         | 35                          | -40 to 125                       | TSSOP16,QFN3.5X2.5-16          |

特殊开关系列 | Specialty Switches

| Part Number | Channel | Type | R <sub>ON</sub> (@5V) (Ω) | -3dB Bandwidth (MHz) | V <sub>CC</sub> (ON) (V) | V <sub>CC</sub> (OFF) (V) | I <sub>q</sub> Typ (μA) | V <sub>INH</sub> (Min) (V) | V <sub>INL</sub> (Max) (V) | t <sub>ON</sub> (@1.6V) (ns) | t <sub>OFF</sub> (@1.6V) (μs) | Operating Temperature Range (°C) | Package             |
|-------------|---------|------|---------------------------|----------------------|--------------------------|---------------------------|-------------------------|----------------------------|----------------------------|------------------------------|-------------------------------|----------------------------------|---------------------|
| RS550       | 4       | 1:1  | 0.5                       | 200                  | 0~0.2                    | 1.6~3.0                   | 40                      | 0.8*V <sub>CC</sub>        | 0.2*V <sub>CC</sub>        | 160                          | 90                            | -40 to 85                        | WLCSP12,QFNWB3X3-16 |
| RS550A      | 4       | 1:1  | 0.63                      | 250                  | 0~0.2                    | 1.6~3.0                   | 65                      | 0.8*V <sub>CC</sub>        | 0.2*V <sub>CC</sub>        | 310                          | 75                            | -40 to 85                        | WLCSP12,QFNWB3X3-16 |
| RS553       | 2       | 1:1  | 0.5                       | 200                  | 0~0.2                    | 1.5~3.0                   | 30                      | 1.2                        | 0.5                        | 1300                         | 100                           | -40 to 85                        | WLCSP9,DFN3X3-8     |



# 接口芯片

## INTERFACE

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### RS-485 & RS-232 | RS-485 & RS-232

| Part Number | Type   | Drivers Per Package | Receivers Per Package | Vcc (Min) (V) | Vcc (Max) (V) | Date Rate (Max) (Mbps) | ICC (mA) | ESD HBM (kV) | IEC-61000-4-2 Contact (kV) | Operating Temperature Range (°C) | Package |
|-------------|--------|---------------------|-----------------------|---------------|---------------|------------------------|----------|--------------|----------------------------|----------------------------------|---------|
| RS1905      | RS-485 | 1                   | 1                     | 3             | 5.5           | 0.5                    | 0.95     | 20           | 6                          | -40 to 125                       | SOP8    |
| RS1920      | RS-485 | 1                   | 1                     | 3             | 5.5           | 20                     | 0.95     | 20           | 6                          | -40 to 125                       | SOP8    |

### CAN收发器 | CAN Transceivers

| Part Number | Type | Drivers Per Package | Receivers Per Package | Vcc (V) | VIO (V) | Date Rate (Max) (Mbps) | ICC (mA) | Bus Fault Voltage (V) | ESD HBM (kV) | Operating Temperature Range (°C) | Package |
|-------------|------|---------------------|-----------------------|---------|---------|------------------------|----------|-----------------------|--------------|----------------------------------|---------|
| RS1042      | CAN  | 1                   | 1                     | 4.5~5.5 | 3~5.5   | 5                      | 40       | -70~70                | /            | -40 to 125                       | SOP8    |

GPIO/I<sup>2</sup>C Expander/Buffer | GPIO/I<sup>2</sup>C Expander/Buffer

| Part Number | Function                 | Interface     | Feature                | Vcc (Min) (V) | Vcc (Max) (V) | I <sup>2</sup> C Rate (Max) (kbps) | ICC (mA) | ESD HBM (kV) | ESD CDM (kV) | Operating Temperature Range (°C) | Package           |
|-------------|--------------------------|---------------|------------------------|---------------|---------------|------------------------------------|----------|--------------|--------------|----------------------------------|-------------------|
| RS29511     | I2C Bus and SMBus Buffer | I2C and SMBus | hot-swappable buffer   | 2.3           | 5.5           | 400                                | 2.0      | 4.0          | 1            | -40 to 125                       | MSOP8             |
| RS29535     | GPIO Expander            | I2C and SMBus | Interrupt Output       | 1.65          | 5.5           | 400                                | 0.075    | 2.0          | 1            | -40 to 125                       | TSSOP24,QFN4X4-24 |
| RS29539     | GPIO Expander            | I2C and SMBus | Interrupt Output/Reset | 1.65          | 5.5           | 400                                | 0.075    | 2.0          | 1            | -40 to 125                       | TSSOP24,QFN4X4-24 |
| RS29548     | I2C Expander             | I2C and SMBus | Reset                  | 1.65          | 5.5           | 400                                | 0.05     | 4.0          | 1            | -40 to 125                       | TSSOP24           |
| RS29555     | GPIO Expander            | I2C and SMBus | Interrupt Output/Cofi  | 1.65          | 5.5           | 400                                | 0.075    | 2.0          | 1            | -40 to 125                       | TSSOP24,QFN4X4-24 |

LVDS Driver/Receiver | LVDS Driver/Receiver

| Part Number | Function                           | Vcc (Min) (V) | Vcc (Max) (V) | Iq (Typ) (mA) | Output Frequency (Max) (MHz) | Output Current (Source) (mA) | Differential Propagation Delay (Max) (ns) | Differential Pulse Skew (Max) (ns) | Output Type   | Operating Temperature Range (°C) | Package |
|-------------|------------------------------------|---------------|---------------|---------------|------------------------------|------------------------------|-------------------------------------------|------------------------------------|---------------|----------------------------------|---------|
| RS90LV011   | LVDS Differential Driver           | 3             | 3.6           | 4.5           | 250                          | 4.5                          | 1.5                                       | 0.7                                | Differential  | -40 to 85                        | SOT23-5 |
| RS90LV012   | LVDS Differential Line Receiver    | 2.7           | 3.6           | 4.2           | 250                          | 50                           | 3.5                                       | 0.4                                | TTL           | -40 to 85                        | SOT23-5 |
| RS90LV047   | LVDS Differential Line Driver      | 3             | 3.6           | 3.8           | 250                          | 4.4                          | 1.26                                      | 0.375                              | LVDS          | -40 to 85                        | TSSOP16 |
| RS90LV048   | LVDS Differential Line Receiver    | 3             | 3.6           | 16            | 250                          | 44.3                         | 2.7                                       | 0.4                                | LVTTL, TTL    | -40 to 85                        | TSSOP16 |
| RS90LV049   | LVDS Differential Line Transceiver | 3             | 3.6           | 23.6          | 250                          | 7.85                         | 3.5                                       | 0.5                                | LVTTL, LVCMOS | -40 to 85                        | TSSOP16 |

# 时钟和计时器

## CLOCK & TIMING



### 时钟和计时器 | Clock & Timing

| Part Number | Function              | Vcc (Min) (V) | Vcc (Max) (V) | Iq (Typ) (mA) | Output Frequency (Max) (MHz) | Output Current (Source) (mA) | Output Current (Sink) (mA) | Output Type | Operating Temperature Range (°C) | Package         |
|-------------|-----------------------|---------------|---------------|---------------|------------------------------|------------------------------|----------------------------|-------------|----------------------------------|-----------------|
| RS555       | General-purpose timer | 4.5           | 16            | 0.24          | 6                            | 10                           | 100                        | CMOS        | -40 to 125                       | SOP8,MSOP8      |
| RS9112C     | LVC MOS Clock Buffer  | 2.5/3.3       | 2.5/3.3       | 1.5/3.5       | 180/250                      | 8/12                         | 8/12                       | LVC MOS     | -40 to 125                       | TSSOP8          |
| RS9113C     | LVC MOS Clock Buffer  | 2.5/3.3       | 2.5/3.3       | 1.5/3.5       | 180/250                      | 8/12                         | 8/12                       | LVC MOS     | -40 to 125                       | TSSOP8          |
| RS9114C     | LVC MOS Clock Buffer  | 2.5/3.3       | 2.5/3.3       | 1.5/3.5       | 180/250                      | 8/12                         | 8/12                       | LVC MOS     | -40 to 125                       | TSSOP8,DFN2X2-8 |



# 数据转换器

## DATA CONVERTERS



### 模数转换器 — ADC | Analog-Digital Converter - ADC

| Part Number | Architecture | Resolution (Bits) | Sample Rate (max) (SPS) | Input Channels | Reference         | Interface | Analog Voltage AVDD (V) | Operating IQ (mA) | INL (LSB) | DNL (LSB) | Operating Temperature Range (°C) | Description                                                 | Package     |
|-------------|--------------|-------------------|-------------------------|----------------|-------------------|-----------|-------------------------|-------------------|-----------|-----------|----------------------------------|-------------------------------------------------------------|-------------|
| RS1461      | SAR          | 12                | 1M                      | 1              | Internal          | SPI       | 2.7~5.25                | 1.5               | 0.6       | 0.6       | -40 to 125                       | 12-Bit ,1MSPS ,1-Ch SAR ADC                                 | SOT23-6     |
| RS1467      | SAR          | 12                | 1M                      | 16             | External          | SPI       | 2.7~5.25                | 2.4               | 0.5       | 0.3       | -40 to 125                       | 12-Bit ,1MSPS ,16-Ch SAR ADC                                | TSSOP38     |
| RS1472      | SAR          | 14                | 2M                      | 2              | External          | SPI       | 2.7~5.25                | 3.6               | 0.8       | 0.6       | -40 to 125                       | 14-Bit ,2MSPS , 2-Ch Differential Input SAR ADC             | QFN3x3-16   |
| RS1473      | SAR          | 14                | 2M                      | 2              | External          | SPI       | 2.7~5.25                | 3.6               | 1.2       | 0.5       | -40 to 125                       | 14-Bit ,2MSPS , 2-Ch Single-ended Input SAR ADC             | QFN3x3-16   |
| RS1430A     | SAR          | 16                | 400k                    | 1              | External          | SPI       | 2.7~5.5                 | 2.4               | 1.5       | 1.5       | -40 to 125                       | 16-Bit ,400kSPS ,1-Ch SAR ADC, No pipeline delay            | MSOP8       |
| RS1430B     | SAR          | 16                | 400k                    | 1              | External          | SPI       | 2.7~5.5                 | 2.6               | 2         | 0.5       | -40 to 125                       | 16-Bit ,400kSPS ,1-Ch SAR ADC, With pipeline delay          | MSOP8       |
| RS1432      | SAR          | 16                | 1M                      | 2              | Internal/External | SPI       | ~5.5                    | 10                | 1.7       | 0.7       | -40 to 125                       | 16-Bit ,1MSPS , 2-Ch Differential Input SAR ADC             | TSSOP16     |
| RS1433      | SAR          | 16                | 1M                      | 2              | Internal/External | SPI       | ~5.5                    | 10                | 1.8       | 0.6       | -40 to 125                       | 16-Bit ,1MSPS , 2-Ch Single-ended/Pseudo Differential Input | TSSOP16     |
| RS1434*     | SAR          | 16                | 250K                    | 4              | External          | SPI       | 2.3~5.25                | /                 | /         | /         | -40 to 125                       | 16-Bit ,250kSPS ,4-Ch SAR ADC                               | LFCSP20     |
| RS1438      | SAR          | 16                | 250K                    | 8              | Internal/External | SPI       | 2.3~5.5                 | 2.92              | 1.5       | 0.4       | -40 to 125                       | 16-Bit ,250kSPS ,8-Ch SAR ADC                               | QFN4X4-20   |
| RS1506S     | Pipeline     | 8                 | 125M                    | 2              | External          | TTL/CMOS  | 2.7~3.6                 | 54                | 0.8       | 0.5       | -40 to 85                        | 8-Bit, 125MSPS ,2-Ch ADC                                    | LQFP48      |
| RS1507S     | Pipeline     | 8                 | 125M                    | 1              | External          | TTL/CMOS  | 2.7~3.6                 | 24                | 0.7       | 0.6       | -40 to 85                        | 8-Bit, 125MSPS ,1-Ch ADC                                    | SSOP20      |
| RS1520      | Pipeline     | 14                | 20M/40M                 | 1              | Internal/External | SPI       | 1.7~1.9                 | 24.2/35.5         | 0.65      | 0.45      | -40 to 85                        | 14-Bit ,20/40MSPS , 1-Ch Differential Input ADC             | QFN5X5-32   |
| RS1522      | Pipeline     | 14                | 20M/40M                 | 2              | Internal/External | SPI       | 1.7~1.9                 | 39.7/59.5         | 0.65      | 0.45      | -40 to 85                        | 14-Bit ,20/40MSPS , 2-Ch Differential Input ADC             | QFN9X9-64   |
| RS1118*     | Delta-Sigma  | 16                | 1K                      | 4              | Internal          | SPI       | 2.7~5.25                | /                 | /         | /         | -40 to 125                       | 16-Bit 1kSPS 4-Ch ADC With PGA                              | TSSOP, VQFN |
| RS1120*     | Delta-Sigma  | 16                | 2K                      | 4              | Internal          | SPI       | 2.3~5.5                 | /                 | /         | /         | -40 to 125                       | 16-Bit 2kSPS 4-Ch Low-Power Delta-Sigma ADC                 | TSSOP, VQFN |

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数模转换器 — DAC | Digital-Analog Converter - DAC

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| Part Number | Resolution (Bits) | Output Setting Time (μs) | Output Channels | Output Voltage Range (V) | Reference | Interface | Analog Voltage AVDD (Min) (V) | Operating IQ (μA) | INL (LSB)  | DNL (LSB)    | Operating Temperature Range (°C) | Description                             | Package  |
|-------------|-------------------|--------------------------|-----------------|--------------------------|-----------|-----------|-------------------------------|-------------------|------------|--------------|----------------------------------|-----------------------------------------|----------|
| RS1300      | 10                | 3                        | 1               | 0~VA                     | Internal  | SPI       | 2.7~5.5                       | 134               | -0.25/0.25 | -0.07/0.15   | -40 to 125                       | 10-Bit Micro Power DAC                  | SOT23-6  |
| RS1308*     | 8                 | 4.5                      | 8               | 0~VREF                   | External  | SPI       | 2.7~5.5                       | 650               | /          | /            | -40 to 125                       | 8-Bit Micro Power DAC                   | TSSOP-16 |
| RS1320      | 12                | 3                        | 1               | 0~VA                     | Internal  | SPI       | 2.7~5.5                       | 190               | -0.7/1.2   | -0.1/0.2     | -40 to 125                       | 12-Bit Micro Power DAC                  | SOT23-6  |
| RS1321*     | 12                | 5                        | 1               | 0~VA                     | Internal  | SPI       | 2.7~5.5                       | 328               | 1.3        | 0.2          | -40 to 125                       | 12-Bit Micro Power DAC                  | SOT23-6  |
| RS1324      | 12                | 3                        | 4               | 0~VA                     | External  | SPI       | 2.7~5.5                       | 595               | -0.5/1.3   | -0.1/0.2     | -40 to 125                       | 12-Bit Micro Power DAC                  | MSOP10   |
| RS1328      | 12                | 2                        | 8               | 0~VREF                   | External  | SPI       | 2.7~5.5                       | 573               | ±2         | -0.15/0.3    | -40 to 125                       | 12-Bit Micro Power DAC                  | MSOP10   |
| RS1360*     | 16                | 1                        | 1               | 2~VREF-1LSB              | External  | SPI       | 2.7~5.5                       | 125               | 0.5        | 0.5          | -40 to 125                       | 16-Bit Micro Power DAC                  | SOP8     |
| RS1361      | 16                | 4                        | 1               | 0~VREF                   | External  | SPI       | 2.7~5.5                       | 180               | /          | ±0.5         | -40 to 125                       | 16-Bit, Ultralow-Glitch, Voltage-Output | MSOP8    |
| RS1380      | 8                 | 3                        | 1               | 0~VA                     | Internal  | SPI       | 2.7~5.5                       | 134               | -0.07/0.06 | -0.025/0.046 | -40 to 125                       | 8-Bit Micro Power DAC                   | SOT23-6  |

# 逻辑 & 转换

## LOGIC & TRANSLATION

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### 电平转换器 | Level Shifters

| Part Number | Translators per Package | Data Rate (Mbps) | V <sub>CCA</sub> Range (V) | V <sub>CCB</sub> Range (V) | Direction       | VCC Shutdown I/O State | I <sub>cc</sub> Max (μA) | Shutdown I <sub>cc</sub> Max (μA) | Logic Output         | Features                               | Package                                            |
|-------------|-------------------------|------------------|----------------------------|----------------------------|-----------------|------------------------|--------------------------|-----------------------------------|----------------------|----------------------------------------|----------------------------------------------------|
| RS0101      | 1                       | 24/2             | 1.65~5.5                   | 2.3~5.5                    | Bidirectional   | Hi-Z                   | 11                       | 1                                 | Open-Drain/Push-Pull | GPIO/I <sup>2</sup> C Level Shifter    | SOT23-6,SC70-6,UDFN1.45X1-6                        |
| RS0102      | 2                       | 24/2             | 1.65~5.5                   | 2.3~5.5                    | Bidirectional   | Hi-Z                   | 13                       | 1                                 | Open-Drain/Push-Pull | GPIO/I <sup>2</sup> C Level Shifter    | SOT23-8,UDFN2X3-8, XDFN1.4X1-8,VSSOP8              |
| RS0104      | 4                       | 24/2             | 1.65~5.5                   | 2.3~5.5                    | Bidirectional   | Hi-Z                   | 15                       | 1                                 | Open-Drain/Push-Pull | GPIO/I <sup>2</sup> C Level Shifter    | TSSOP14,UQFN2X2-12, UQFN2X1.7-12,QFN3.5X3.5-14     |
| RS0108      | 8                       | 24/2             | 1.65~5.5                   | 2.3~5.5                    | Bidirectional   | Hi-Z                   | 30                       | 1                                 | Open-Drain/Push-Pull | GPIO/I <sup>2</sup> C Level Shifter    | TSSOP20,QFN3X3-20                                  |
| RS0108A*    | 8                       | 100/2            | 1.4~3.6                    | 1.65~5.5                   | Bidirectional   | Hi-Z                   | 30                       | 1                                 | Open-Drain/Push-Pull | GPIO/I <sup>2</sup> C Level Shifter    | TSSOP20,QFN3X3-20                                  |
| RS0202      | 2                       | 100              | 1.2~3.6                    | 1.65~5.5                   | Bidirectional   | Hi-Z                   | 10                       | 1                                 | Push-Pull            | GPIO Level Shifter                     | SOT23-8,UDFN2X3-8,MSOP8                            |
| RS0204      | 4                       | 100              | 1.2~3.6                    | 1.65~5.5                   | Bidirectional   | Hi-Z                   | 10                       | 1                                 | Push-Pull            | GPIO Level Shifter                     | TSSOP14,UQFN1.7X2-12, QFN3.5X3.5-14,UQFN1.8X1.8-12 |
| RS0204A     | 4                       | 100              | 1.2~3.6                    | 1.65~5.5                   | Bidirectional   | Hi-Z                   | 10                       | 1                                 | Push-Pull            | GPIO Level Shifter                     | TSSOP14,UQFN1.7X2-12                               |
| RS0208      | 8                       | 100              | 1.2~3.6                    | 1.65~5.5                   | Bidirectional   | Hi-Z                   | 10                       | 1                                 | Push-Pull            | GPIO Level Shifter                     | TSSOP20,QFN3X3-20                                  |
| RS0208A*    | 8                       | 100              | 1.2~3.6                    | 1.65~5.5                   | Bidirectional   | Hi-Z                   | 10                       | 1                                 | Push-Pull            | GPIO Level Shifter                     | TSSOP20,QFN3X3-20                                  |
| RS0302      | 2                       | 100              | 1.0~5.5                    | 1.8~5.5                    | Bidirectional   | Hi-Z                   | /                        | 5                                 | Open-Drain           | I <sup>2</sup> C & SMBus Level Shifter | SOT23-8,XDFN1.4X1-8, VSSOP8                        |
| RS1T34      | 1                       | 200              | 1.65~5.5                   | 1.65~5.5                   | Fixed           | Hi-Z                   | 4                        | 1                                 | Push-Pull            | GPIO Level Shifter                     | SOT23-5,SC70-5                                     |
| RS1T45      | 1                       | 200              | 1.65~5.5                   | 1.65~5.5                   | Configurable    | Hi-Z                   | 4                        | 1                                 | Push-Pull            | GPIO Level Shifter                     | SOT23-6,SC70-6                                     |
| RS2T45      | 2                       | 200              | 1.65~5.5                   | 1.65~5.5                   | Configurable    | Hi-Z                   | 4                        | 1                                 | Push-Pull            | GPIO Level Shifter                     | VSSOP8,MSOP8                                       |
| RS2T245     | 2                       | 200              | 0.9~3.6                    | 0.9~3.6                    | Configurable    | Hi-Z                   | 30                       | 1                                 | Push-Pull            | GPIO Level Shifter                     | UQFN1.4x1.8-10                                     |
| RS29617     | 2                       | 2                | 0.8~5.5                    | 2.2~5.5                    | Bidirectional   | Hi-Z                   | 40@I <sub>ccA</sub>      | 1                                 | Push-Pull            | Level-Translating FM+ I2C Bus Repeater | MSOP8                                              |
| RS4T245     | 4                       | 200              | 1.65~5.5                   | 1.65~5.5                   | YeConfigurables | Hi-Z                   | 20                       | 1                                 | Push-Pull            | GPIO Level Shifter                     | TSSOP16,QFN2.5X3.5-16                              |
| RS4T774     | 4                       | 200              | 0.9~3.6                    | 0.9~3.6                    | Configurable    | Hi-Z                   | 30                       | 1                                 | Push-Pull            | GPIO Level Shifter                     | TSSOP16,QFN2.5X3.5-16,QFN2.6X1.8-16                |
| RS8T245     | 8                       | 200              | 1.65~5.5                   | 1.65~5.5                   | Configurable    | Hi-Z                   | 25                       | 1                                 | Push-Pull            | GPIO Level Shifter                     | TSSOP24,SOP24                                      |

\* 产品研发中 Under Development

■ 电平转换器 | Level Shifters

| Part Number    | Translators per Package | Data Rate (Mbps) | V <sub>CCA</sub> Range (V) | V <sub>CCB</sub> Range (V) | Direction     | VCC Shutdown I/O State | I <sub>cc</sub> Max (μA) | Shutdown I <sub>cc</sub> Max (μA) | Logic Output         | Features                         | Package                             |
|----------------|-------------------------|------------------|----------------------------|----------------------------|---------------|------------------------|--------------------------|-----------------------------------|----------------------|----------------------------------|-------------------------------------|
| RS8T245A       | 8                       | 200              | 1.65~5.5                   | 1.65~5.5                   | Configurable  | Hi-Z                   | 25                       | 1                                 | Push-Pull            | GPIO Level Shifter               | TSSOP24,QFN5.5X3.5-24               |
| RS16T245A      | 16                      | 200              | 1.65~5.5                   | 1.65~5.5                   | Configurable  | Hi-Z                   | 80                       | 10                                | Push-Pull            | GPIO Level Shifter               | TSSOP48                             |
| RS74AVC1T45    | 1                       | 380              | 1.2~3.6                    | 1.2~3.6                    | Configurable  | Hi-Z                   | 14                       | /                                 | Push-Pull            | GPIO Level Shifter               | SOT23-6,SC70-6                      |
| RS74AVC2T45    | 2                       | 380              | 1.2~3.6                    | 1.2~3.6                    | Configurable  | Hi-Z                   | 14                       | /                                 | Push-Pull            | GPIO Level Shifter               | VSSOP8                              |
| RS74AVC4T245   | 4                       | 380              | 1.2~3.6                    | 1.2~3.6                    | Configurable  | Hi-Z                   | 16                       | /                                 | Push-Pull            | GPIO Level Shifter               | TSSOP16,QFN2.5X3.5-16,QFN2.6X1.8-16 |
| RS74AVC4T774 * | 4                       | 200              | 0.9~3.6                    | 0.9~3.6                    | Configurable  | Hi-Z                   | 30                       | 1                                 | Push-Pull            | GPIO Level Shifter               | TSSOP16,QFN2.5X3.5-16               |
| RS74AVCH4T245  | 4                       | 380              | 1.2~3.6                    | 1.2~3.6                    | Configurable  | Hi-Z                   | 10                       | /                                 | Push-Pull            | GPIO Level Shifter with Bus Hold | TSSOP16,QFN2.5X3.5-16               |
| RSF0102        | 2                       | 100              | 0~5.5                      | 0~5.5                      | Bidirectional | Hi-Z                   | /                        | 5                                 | Open-Drain/Push-Pull | GPIO/I2C Level Shifter           | VSSOP8                              |
| RXU0104        | 4                       | 200              | 1.08~5.5                   | 1.08~5.5                   | Fixed         | Hi-Z                   | 2.5                      | 2.5                               | Push-Pull            | GPIO Level Shifter               | TSSOP14,UQFN1.7X2-12                |
| RXU0102 *      | 2                       | 200              | 1.08~5.5                   | 1.08~5.5                   | Fixed         | Hi-Z                   | 2.5                      | 2.5                               | Push-Pull            | GPIO Level Shifter               | VSSOP8                              |
| RXU0304        | 4                       | 200              | 1.08~5.5                   | 1.08~5.5                   | Fixed         | Hi-Z                   | 2.5                      | 2.5                               | Push-Pull            | GPIO Level Shifter               | TSSOP14,UQFN1.7X2-12                |



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| Part Number | VCC Range (V) | Icc Max (μA,full temp.) | Features                                               | Package                  |
|-------------|---------------|-------------------------|--------------------------------------------------------|--------------------------|
| RS1G00      | 1.65~5.5      | 10                      | Single Channel 2-Input NAND Gate                       | SOT23-5,SC70-5           |
| RS1GT00     | 2.0~5.5       | 10                      | Single Channel 2-Input NAND Gate, TTL input            | SOT23-5,SC70-5           |
| RS2G00      | 1.65~5.5      | 10                      | Dual Channel 2-Input NAND Gate                         | MSOP8                    |
| RS4G00      | 1.65~5.5      | 10                      | Quad Channel 2-Input NAND Gate                         | SOP14,TSSOP14            |
| RS4GT00     | 2.0~5.5       | 10                      | Quad Channel 2-Input NAND Gate, TTL input              | SOP14,TSSOP14            |
| RS1G02      | 1.65~5.5      | 10                      | Single Channel 2-Input Positive NOR-Gate               | SOT23-5,SC70-5           |
| RS1GT02     | 2.0~5.5       | 11                      | Single Channel 2-Input Positive NOR-Gate               | SOT23-5,SC70-5           |
| RS4G02      | 1.65~5.5      | 10                      | Quad Channel 2-Input Positive NOR-Gate                 | SOP14,TSSOP14            |
| RS1G04      | 1.65~5.5      | 10                      | Single Channel Inverter                                | SOT23-5,SC70-5,XDFN1X1-6 |
| RS1GT04     | 2.0~5.5       | 10                      | Single Channel Inverter ,TTL Input                     | SOT23-5,SC70-5           |
| RS2G04      | 1.65~5.5      | 10                      | Dual Channel Inverter                                  | SOT23-6,SC70-6           |
| RS3G04      | 1.65~5.5      | 10                      | Triple Channel Inverter                                | MSOP8,DFN1.4X1-8         |
| RS6G04      | 1.65~5.5      | 10                      | Six Channel Inverter                                   | SOP14,TSSOP14            |
| RS6GT04     | 2.0~5.5       | 10                      | Six Channel Inverter ,TTL Input                        | SOP14,TSSOP14            |
| RS1G06      | 1.65~5.5      | 10                      | Single Channel Inverter, open drain output             | SOT23-5,SC70-5           |
| RS1G07      | 1.65~5.5      | 10                      | Single Channel Non-inverting Buffer, Open-drain Output | SOT23-5,SC70-5           |
| RS2G07      | 1.65~5.5      | 10                      | Dual Channel Non-inverting Buffer, Open-drain Output   | SOT23-6,SC70-6           |
| RS6G07      | 1.65~5.5      | 10                      | Six Channel Non-inverting Buffer, Open-drain Output    | SOP14,TSSOP14            |
| RS1G08      | 1.65~5.5      | 10                      | Single Channel 2-Input AND Gate                        | SOT23-5,SC70-5,XDFN1X1-6 |
| RS1GT08     | 2.0~5.5       | 10                      | Single Channel 2-Input AND Gate,TTL Input              | SOT23-5,SC70-5           |
| RS2G08      | 1.65~5.5      | 10                      | Dual Channel 2-Input AND Gate                          | MSOP8                    |
| RS2GT08     | 2.0~5.5       | 10                      | Dual 2-Input Positive-AND Gate, TTL input              | MSOP8,VSSOP8             |
| RS4G08      | 1.65~5.5      | 10                      | Quad Channel 2-Input AND Gate                          | SOP14,TSSOP14            |
| RS4GT08     | 2.0~5.5       | 10                      | Quad Channel 2-Input AND Gate,TTL Input                | SOP14,TSSOP14            |
| RS1G09      | 1.65~5.5      | 10                      | Single Channel AND Gate, open-drain output             | SOT23-5,SC70-5           |
| RS1G10      | 1.65~5.5      | 10                      | Single 3-Input Positive-NAND Gate                      | SC70-6                   |
| RS1G11      | 1.65~5.5      | 10                      | Single 3-Input Positive-AND Gate                       | SOT23-6,SC70-6           |
| RS3G11      | 1.65~5.5      | 10                      | Triple 3-Input Positive-AND Gate                       | SOP14,TSSOP14            |
| RS1G14      | 1.65~5.5      | 10                      | Single Channel Schmitt-Trigger Inverter                | SOT23-5,SC70-5           |
| RS1GT14     | 2.0~5.5       | 10                      | Single Channel Inverter ,TTL Input                     | SOT23-5,SC70-5           |
| RS2G14      | 1.65~5.5      | 10                      | Dual Channel Schmitt-Trigger Inverter                  | SOT23-6,SC70-6           |

| Part Number | VCC Range (V) | Icc Max (μA,full temp.) | Features                                           | Package                  |
|-------------|---------------|-------------------------|----------------------------------------------------|--------------------------|
| RS3G14      | 1.65~5.5      | 10                      | Triple Channel Schmitt-Trigger Inverter            | MSOP8,DFN1.4X1-8         |
| RS6G14      | 1.65~5.5      | 10                      | Six Channel Schmitt-Trigger Inverter               | SOP14,TSSOP14            |
| RS6GT14     | 2.0~5.5       | 10                      | Six Channel Schmitt-Trigger Inverter, TTL Input    | SOP14,TSSOP14            |
| RS1G17      | 1.65~5.5      | 10                      | Single Schmitt-Trigger Buffer                      | SOT23-5,SC70-5           |
| RS1GT17     | 2.0~5.5       | 10                      | Single Schmitt-Trigger buffer,TTL Input            | SOT23-5,SC70-5           |
| RS2G17      | 1.65~5.5      | 10                      | Single Schmitt-Trigger Buffer                      | SOT23-6,SC70-6           |
| RS6G17      | 1.65~5.5      | 10                      | Six Channel Non-inverting Buffer                   | SOP14, TSSOP14           |
| RS6GT17     | 2.0~5.5       | 10                      | Six Channel Non-inverting Buffer,TTL Input         | SOP14, TSSOP14           |
| RS1G27      | 1.65~5.5      | 10                      | Single 3-Input Positive-NOR Gate                   | SC70-6                   |
| RS1G32      | 1.65~5.5      | 10                      | Single Channel 2-input OR Gate                     | SOT23-5,SC70-5,XDFN1X1-6 |
| RS1GT32     | 2.0~5.5       | 10                      | Single 2-Input Positive-OR Gate,TTL input          | SOT23-5,SC70-5           |
| RS2G32      | 1.65~5.5      | 10                      | Dual Channel 2-input OR Gate                       | MSOP8                    |
| RS4G32      | 1.65~5.5      | 10                      | Quad Channel 2-input OR Gate                       | SOP14,TSSOP14            |
| RS4GT32     | 2.0~5.5       | 10                      | Quad Channel 2-input OR Gate,TTL input             | SOP14,TSSOP14            |
| RS1G34      | 1.65~5.5      | 10                      | Single Buffer Gate                                 | SOT23-5,SC70-5           |
| RS1GT34     | 2.0~5.5       | 10                      | Single Buffer Gate, TTL input                      | SOT23-5,SC70-5           |
| RS2G34      | 1.65~5.5      | 10                      | Dual Buffer Gate                                   | SOT23-6,SC70-6           |
| RS3G34      | 1.65~5.5      | 10                      | Triple Buffer Gate                                 | MSOP-8,VSSOP-8           |
| RS1G38      | 1.65~5.5      | 10                      | Single Channel NAND Gate, Open-drain Output        | SOT23-5,SC70-5           |
| RS1G57      | 1.65~5.5      | 10                      | Configurable Multiple-Function Gate                | SOT23-6,SC70-6           |
| RS1G58      | 1.65~5.5      | 10                      | Configurable Multiple-Function Gate                | SOT23-6,SC70-6           |
| RS1G74      | 1.65~5.5      | 10                      | Single Positive-Edge-Triggered D-Type Flip-Flop    | MSOP8,VSSOP8,XDFN1.4X1-8 |
| RS1G79      | 1.65~5.5      | 10                      | Single D-type flip-flop; positive-edge trigger     | SOT23-5,SC70-5           |
| RS1G86      | 1.65~5.5      | 10                      | Single Channel 2-input Exclusive-OR Gate           | SOT23-5,SC70-5           |
| RS1GT86     | 2.0~5.5       | 10                      | Single Channel 2-input Exclusive-OR Gate,TTL input | SOT23-5,SC70-5           |
| RS2G86      | 1.65~5.5      | 10                      | Dual Channel 2-input Exclusive-OR Gate             | MSOP8                    |
| RS4G86      | 1.65~5.5      | 10                      | Quad Channel 2-input Exclusive-OR Gate             | SOP14,TSSOP14            |
| RS4GT86     | 2.0~5.5       | 10                      | Quad Channel 2-input Exclusive-OR Gate, TTL input  | SOP14,TSSOP14            |
| RS1G97      | 1.65~5.5      | 10                      | Low Power Configurable Multiple-Function Gate      | SOT23-6,SC70-6           |
| RS1G123     | 2.0~5.5       | 20                      | Single Retriggerable Monostable Multivibrator      | VSSOP8                   |
| RS2G123     | 2.0~5.5       | 40                      | Dual Retriggerable Monostable Multivibrator        | SOP16,TSSOP16            |

逻辑 | Logic Series

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| Part Number | VCC Range (V) | Icc Max (μA,full temp.) | Features                                                     | Package                   |
|-------------|---------------|-------------------------|--------------------------------------------------------------|---------------------------|
| RS1G125     | 1.65~5.5      | 10                      | Single Active-Low Bus Buffer Gate, 3-State Output            | SOT23-5,SC70-5,XDFN1X1-6  |
| RS1GT125    | 2.0~5.5       | 10                      | Single Active-Low Bus Buffer Gate, 3-State Output,TTL input  | SOT23-5,SC70-5            |
| RS2G125     | 1.65~5.5      | 10                      | Dual Active-Low Bus Buffer Gate, 3-State Output              | MSOP8                     |
| RS4G125     | 1.65~5.5      | 10                      | Quad Active-Low Bus Buffer Gate, 3-State Output              | SOP14,TSSOP14,QFN2.5X3-14 |
| RS4GT125    | 2.0~5.5       | 10                      | Quad Active-Low Bus Buffer Gate, 3-State Output,TTL input    | SOP14,TSSOP14             |
| RS1G126     | 1.65~5.5      | 10                      | Single Active-High Bus Buffer Gate, 3-State Output           | SOT23-5,SC70-5,XDFN1X1-6  |
| RS1GT126    | 2.0~5.5       | 10                      | Single Active-High Bus Buffer Gate, 3-State Output,TTL input | SOT23-5,SC70-5            |
| RS2G126     | 1.65~5.5      | 10                      | Dual Active-High Bus Buffer Gate, 3-State Output             | MSOP8,TSSOP8              |
| RS4G126     | 1.65~5.5      | 10                      | Quad Active-High Bus Buffer Gate, 3-State Output             | SOP14,TSSOP14             |
| RS4GT126    | 2.0~5.5       | 10                      | Quad Active-High Bus Buffer Gate ,3-State Output,TTL input   | SOP14,TSSOP14             |
| RS1G139     | 2.0~5.5       | 160                     | Single 2-Line to 4-Line Decoders/Demultiplexers              | VSSOP8                    |
| RS2G139     | 2.0~5.5       | 160                     | Dual 2-Line to 4-Line Decoders/Demultiplexers                | SOP16,TSSOP16             |
| RS1G157     | 1.65~5.5      | 10                      | Single 2-Input Multiplexer                                   | SOT23-6,SC70-6            |
| RS4G157     | 1.65~5.5      | 10                      | Quad 2-Input Multiplexer                                     | SOP16,TSSOP16             |
| RS1G175     | 1.65~5.5      | 10                      | Single Positive-Edge-Triggered D-Type Flip-Flop              | SOT23-6,SC70-6            |
| RS1G240     | 1.65~5.5      | 10                      | Single Buffer/Driver, 3-State Output                         | SC70-5                    |
| RS2G241     | 1.65~5.5      | 10                      | Dual Buffer and Driver, 3-State Outputs                      | MSOP8                     |
| RS1G332     | 1.65~5.5      | 10                      | Single 3-input OR gate                                       | SOT23-6,SC70-6            |
| RS1G373     | 1.65~5.5      | 10                      | Single D-type transparent latch;3-state                      | SOT23-6,SC70-6            |
| RS1G386     | 1.65~5.5      | 10                      | Single 3-input Exclusive-OR Gate                             | SOT23-6,SC70-6            |
| RS138       | 2.0~5.5       | 160                     | 3-Line To 8-Line Decoders/Demultiplexers                     | SOP16,TSSOP16             |
| RS138T      | 4.5~5.5       | 160                     | 3-Line To 8-Line Decoders/Demultiplexers, TTL Input          | SOP16,TSSOP16             |
| RS151       | 2.0~5.5       | 8                       | 8-input multiplexer                                          | SOP16,TSSOP16             |
| RS154       | 1.65~5.5      | 20                      | 4-to-16 Line Decoder/Demultiplexer                           | TSSOP24                   |
| RS164       | 1.65~5.5      | 8                       | 8-bit serial-in, parallel-out shift register                 | SOP14,TSSOP14             |
| RS164T      | 2.0~5.5       | 8                       | 8-bit serial-in, parallel-out shift register,TTL input       | SOP14,TSSOP14             |
| RS165       | 1.65~5.5      | 160                     | 8-bit parallel-in, serial-out shift register                 | SOP16,TSSOP16             |
| RS165T      | 2.0~5.5       | 160                     | 8-bit parallel-in, serial-out shift register,TTL input       | SOP16,TSSOP16             |
| RS175       | 1.65~5.5      | 80                      | Quad ruple D-Type Flip-Flop with Clear                       | SOP16,TSSOP16             |
| RS238       | 2.0~5.5       | 16                      | 3- to 8-Line Decoder/Demultiplexer                           | SOP16,TSSOP16             |
| RS240       | 1.65~5.5      | 5                       | Octal Buffers and Line Drivers, 3-State Outputs              | SOP20,TSSOP20             |

| Part Number | VCC Range (V) | Icc Max (μA,full temp.) | Features                                                          | Package                      |
|-------------|---------------|-------------------------|-------------------------------------------------------------------|------------------------------|
| RS240T      | 4.5~5.5       | 40                      | TTL input, Octal Buffers and Line Drivers, 3-State Outputs        | SOP20,TSSOP20                |
| RS244       | 1.65~5.5      | 5                       | Octal Buffer/Driver, 3-State Outputs                              | SOP20,TSSOP20                |
| RS244S      | 1.65~5.5      | 5                       | Octal Buffer/Driver, 3-State Outputs                              | SOP20,TSSOP20                |
| RS244T      | 4.5~5.5       | 40                      | TTL input, Octal Buffer/Driver, 3-State Outputs                   | SOP20,TSSOP20                |
| RS245       | 1.65~5.5      | 5                       | Octal Bus Transceivers, 3-State Outputs                           | SOP20,TSSOP20                |
| RS245S      | 1.0~5.5       | 2                       | Octal Bus Transceivers ,3-State Outputs                           | SOP20,TSSOP20                |
| RS245T      | 2.0~5.5       | 40                      | TTL input,Octal Bus Transceivers, 3-State Outputs                 | SOP20,TSSOP20                |
| RS266       | 1.65~5.5      | 10                      | Quadruple 2-Input XNOR Gates, Open-Drain Outputs                  | SOP14,TSSOP14                |
| RS273       | 1.65~5.5      | 80                      | Octal D-Type Flip-Flops With Clear                                | SOP20,TSSOP20                |
| RS373       | 1.65~5.5      | 80                      | Octal Transparent D-Type Latches, 3-State Outputs                 | SOP20,TSSOP20                |
| RS4094      | 2.0~5.5       | 80                      | 8-Stage Shift-And-Store Bus Register                              | SOP16                        |
| RS4538      | 2.3~6.0       | 160                     | Dual Retriggerable Precision Monostable Multivibrator             | SOP16,TSSOP16                |
| RS540       | 1.65~5.5      | 5                       | Octal Buffers and Line Drivers With 3-State Outputs               | SOP20,TSSOP20                |
| RS540T      | 2.0~5.5       | 5                       | TTL input,Octal Buffers and Line Drivers, 3-State Outputs         | SOP20,TSSOP20                |
| RS541       | 1.65~5.5      | 5                       | Octal Buffers and Line Drivers, 3-State Outputs                   | SOP20,TSSOP20                |
| RS541T      | 4.5~5.5       | 40                      | TTL input,Octal Buffers and Line Drivers, 3-State Outputs         | SOP20,TSSOP20                |
| RS573       | 1.65~5.5      | 80                      | Octal D-type transparent Latch, 3-State Outputs                   | SOP20,TSSOP20                |
| RS574       | 2.0~5.5       | 40                      | Octal Edge-Triggered D-Type Flip-Flops, 3-State Outputs           | SOP20,TSSOP20                |
| RS574T      | 4.5~5.5       | 40                      | Octal Edge-Triggered D-Type Flip-Flops ,3-State Outputs,TTL input | SOP20,TSSOP20                |
| RS595S      | 2.0~5.5       | 160                     | 8-Bit Shift Registers, 3-State Output                             | SOP16,TSSOP16,QFN-2.5X3.5-16 |
| RS595       | 2.0~5.5       | 160                     | 8-Bit Shift Registers, 3-State Output, MSL1 package               | SOP16,TSSOP16                |
| RS595T      | 4.5~5.5       | 160                     | 8-Bit Shift Registers, 3-State Output,TTL input                   | SOP16,TSSOP16                |
| RS7266      | 1.65~5.5      | 10                      | Quadruple XNOR Gates, Schmitt-Trigger Inputs                      | SOP14,TSSOP14                |
| RS74HC74    | 1.65~5.5      | 10                      | Dual Positive-Edge-Triggered D-Type Flip-Flop                     | SOP14,TSSOP14                |
| RS74HCT74   | 4.5~5.5       | 10                      | Dual Positive-Edge-Triggered D-Type Flip-Flop, TTL input          | SOP14,TSSOP14                |
| RSH4013L    | 1.65~5.5      | 10                      | Dual Positive-Edge-Triggered D-Type Flip-Flop with set and reset  | SOP14                        |
| RSH40106    | 3.0~15        | 20                      | Hex Inverting Schmitt trigger                                     | SOP14,TSSOP14                |
| RSH4069U    | 3.0~15        | 20                      | Hex unbuffered Inverter                                           | SOP14                        |
| RSH4093     | 3.0~15        | 20                      | Quad 2-input NAND Schmitt trigger                                 | SOP14                        |

# 电压基准源芯片

## VOLTAGE REFERENCE



### ■ 并联电压基准源 | Shunt Voltage References

| Part Number | VREF (V) | Voltage Tolerance | VKA (V) | IREF (Max,μA) | IKK (Min, mA) | Temperature Coefficient | Operating Temperature Range (°C) | Package |
|-------------|----------|-------------------|---------|---------------|---------------|-------------------------|----------------------------------|---------|
| RS421       | 1.18     | 0.50%             | 1.18~36 | 1.2           | 0.3           | 50ppm/°C                | -40 to 125                       | SOT23   |
| RS422       | 1.18     | 0.50%             | 1.18~36 | 1.2           | 0.3           | 50ppm/°C                | -40 to 125                       | SOT23   |
| RS421V      | 1.24     | 0.50%             | 1.24~12 | 1.2           | 0.3           | 50ppm/°C                | -40 to 125                       | SOT23   |
| RS422V      | 1.24     | 0.50%             | 1.24~12 | 1.2           | 0.3           | 50ppm/°C                | -40 to 125                       | SOT23   |
| RS431AE     | 2.5      | 0.5%              | 2.5~18  | 2             | 0.3           | 50ppm/°C                | -40 to 125                       | SOT23   |
| RS432AE     | 2.5      | 0.5%              | 2.5~18  | 2             | 0.3           | 50ppm/°C                | -40 to 125                       | SOT23   |
| RS431       | 2.5      | 0.5% / 1%         | 2.5~36  | 4             | 0.5           | 50ppm/°C                | -40 to 125                       | SOT23   |
| RS432       | 2.5      | 0.5% / 1%         | 2.5~36  | 4             | 0.5           | 50ppm/°C                | -40 to 125                       | SOT23   |

### ■ 串联电压基准源 | Series Voltage References

| Part Number | VREF (V)                            | Voltage Tolerance | Temperature Coefficient (Max) | Iout (Max,mA) | Quiescent Current (μA) | LFN 0.1 to 10 Hz (typ) (μVPP) | Operating Temperature | Package    |
|-------------|-------------------------------------|-------------------|-------------------------------|---------------|------------------------|-------------------------------|-----------------------|------------|
| RSR30xx     | 1.2,1.8,2.048,2.5,3.0,3.3,4.096,4.5 | 0.05%             | 10ppm/°C                      | 25            | 112@1.2V               | 7.5                           | -40 to 125            | SOT23      |
| RS3112      | 1.25,2.048,2.5,3.0,3.3,4.096        | 0.10%             | 20ppm/°C                      | 10            | 150                    | 35                            | -40 to 125            | SOT23,SOP8 |
| RS50xx      | 2.048,2.5,3.0,3.3,4.096,4.5,5.0     | 0.10%             | 10ppm/°C                      | 10            | 2000                   | 7.5                           | -40 to 125            | SOP8       |
| RSR580      | 2.5                                 | 0.05%             | 25ppm/°C                      | 15            | 800                    | 15.5                          | -40 to 125            | SOP8       |
| RSR581      | 10                                  | 0.05%             | 20ppm/°C                      | 15            | 1100                   | 54                            | -40 to 125            | SOP8       |
| RSR586      | 5.0                                 | 0.05%             | 25ppm/°C                      | 15            | 1100                   | 26                            | -40 to 125            | SOP8       |



# 电源类产品

## POWER PRODUCTS

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### 线性稳压器 | Linear Regulator

| Part Number | Input Voltage Range (V) | Output Current (mA) | Ground Current (No Load) (μA) | Dropout Voltage @IOUT=Full current/Vout=3.3V (mV) | PSRR @1kHz (dB) | Output current Noise (μVRMS) | Vout (V)                                        | Features                                                  | Operating Junction Range (°C) | Package                                |
|-------------|-------------------------|---------------------|-------------------------------|---------------------------------------------------|-----------------|------------------------------|-------------------------------------------------|-----------------------------------------------------------|-------------------------------|----------------------------------------|
| RS1117      | 2.5~18                  | 1000                | 18                            | 1100(@5V)                                         | 67              | —                            | 1.2/1.5/1.8/2.5/3.3/5.0                         | Low IQ,Low Vdrop,Short Protection                         | -40 to 125                    | SOT-223                                |
| RS3001*     | 2.7~18                  | 300                 | 1.3                           | 300                                               | 64              | 170                          | 1.8/3.0/3.3/3.6/3.7/5.0/9.0/12/Adj(1.24V~17V)   | Ultra-Low IQ,Enable Input                                 | -40 to 125                    | SOT89-3,SOT23-3,SOT23-5                |
| RS3003      | 2.5~18                  | 800                 | 18                            | 880(@5V)                                          | 67              | —                            | 1.2/1.5/1.8/2.5/3.3/5.0                         | Low IQ,Low Vdrop,Short Protection                         | -40 to 125                    | SOT89-3,SOT-223                        |
| RS3004      | 2.5~36                  | 150                 | 1.9                           | 1000                                              | 65              | 135                          | 1.8/3.0/3.3/3.6/4.1/4.4/5.0/9.0/12              | Ultra-Low IQ,Enable Input                                 | -40 to 125                    | SOT23-3,SOT23-5,SOT89-3                |
| RS3007      | 2.5~45                  | 300                 | 3                             | 1005                                              | 77              | 100                          | 3.0,3.3,5.0                                     | Ultra-Low IQ,Enable Input                                 | -40 to 125                    | SOT23-3,SOT23-5, SOT89-3,SOT-223,SOP8  |
| RS3009      | 4.5~60                  | 100                 | 32                            | 240                                               | 63              | 400                          | 3.3/5.0                                         | Enable Input                                              | -40 to 150                    | SOT23-3,SOT23-5,SOT223                 |
| RS3015      | 3~45                    | 300                 | 3                             | 1150                                              | 58              | 120                          | 1.8/2.5/3.0/3.3/5.0                             | Ultra-Low IQ,Enable Input                                 | -40 to 150                    | SOT23-3,SOT23-5, SOT89-3,SOT-223       |
| RS3017      | 3~40                    | 300                 | 7                             | 460                                               | 53              | 80                           | 1.8/2.5/3.0/3.3/5.0/Adj(1.25V~15V)              | Low IQ,Enable Inpu,Low Dropout,PG, Programmable PG Delay  | -40 to 150                    | ESOP8                                  |
| RS3027*     | 3~40                    | 300                 | 7                             | 460                                               | 53              | 80                           | 1.8/2.5/3.0/3.3/5.0/Adj(1.25V~24V)              | Low IQ,Enable Inpu,Low Dropout,PG, Programmable PG Delay  | -40 to 150                    | EMSOP8                                 |
| RS73xx-1    | 2.5~45                  | 300                 | 3                             | 1005                                              | 77              | 100                          | 3.0,3.3,3.6,5.0                                 | Ultra-Low IQ                                              | -40 to 125                    | SOT23-3,SOT89-3                        |
| RS75xx-1    | 2.5~36                  | 150                 | 2                             | 780                                               | 40              | —                            | 2.5,3.0,3.3,3.6,5.0                             | Ultra-Low IQ                                              | -40 to 125                    | SOT23-3,SOT89-3                        |
| RS75xx-2H   | 2.5~36                  | 250                 | 1.9                           | 1000                                              | 65              | 135                          | 3.0/3.3/3.6/5.0/9.0/12/Adj(1.0V~12V)            | Ultra-Low IQ,Enable Input                                 | -40 to 125                    | SOT23-3,SOT23-5, SOT89-3,UDFN1.6X1.6-6 |
| RS3212      | 1.6~5.5                 | 300                 | 30                            | 320                                               | 60              | —                            | 0.8/1.2/1.5/1.8/2.5/2.8/3.0/3.3/3.6/5.0         | Fast Response                                             | -40 to 125                    | SOT23-5,XDFN1X1-4                      |
| RS3213      | 1.6~5.5                 | 500                 | 30                            | 580                                               | 60              | —                            | 1.8/2.5/2.8/3.0/3.3/3.6/5.0                     | Fast Response                                             | -40 to 125                    | SOT23-5,XDFN1X1-4                      |
| RS3215      | 2.7~6.5                 | 500                 | 45                            | 250                                               | 64              | 11xVOUT                      | 1.2/1.5/1.8/2.5/2.7/2.8/3.0/3.3/Adj(1.2V~6V)    | Fast Start-Up,Fast Response, High Output Accuracy: ±0.75% | -40 to 150                    | SOT23-5,DFN3X3-8,DFN2X2-6              |
| RS3217      | 1.9~5.5                 | 500                 | 16                            | 220                                               | 81              | 13                           | 1.2,1.5,1.8,2.5,2.8,2.9,3.0,3.2,3.3,3.6,4.0,4.5 | Low-Noise, High PSRR,Fast Response                        | -40 to 125                    | SOT23-5,XDFN1X1-4                      |
| RS3217F     | 1.9~5.5                 | 500                 | 20                            | 220                                               | 77              | 17                           | 1.2,1.5,1.8,2.5,2.8,2.9,3.0,3.2,3.3,3.6,4.0,4.2 | Low-Noise, High PSRR,Fast Response                        | -40 to 125                    | SOT23-5,XDFN1X1-4                      |
| RS3222*     | 1.7-7.5V                | 250mA               | 1                             | 200                                               | 38              | —                            | 1.2/1.5/1.8/2.5/2.8/3.0/3.3/3.6                 | Ultra-Low IQ,Low Dropout                                  | -40 to 125                    | SOT23-3,SOT23-5,XDFN1X1-4              |

\* 产品研发中 Under Development



线性稳压器 | Linear Regulator

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| Part Number | Input Voltage Range (V) | Output Current (mA) | Ground Current (No Load) (μA) | Dropout Voltage @IOUT=Full current/Vout=3.3V (mV) | PSRR @1kHz (dB) | Output current Noise (μVRMS) | V <sub>OUT</sub> (V)                           | Features                             | Operating Junction Range (°C) | Package                            |
|-------------|-------------------------|---------------------|-------------------------------|---------------------------------------------------|-----------------|------------------------------|------------------------------------------------|--------------------------------------|-------------------------------|------------------------------------|
| RS3231*     | 1.7~7.0                 | 300                 | 2                             | 150                                               | 85              | 51                           | 1.2,1.5,1.8,2.5,2.8,3,3.3,3.6,Adj              | Ultra-Low IQ                         | -40 to 125                    | SOT23-3,SOT23-5,XDFN1X1-4          |
| RS3232*     | 1.7~7.0                 | 600                 | 2                             | 310                                               | 85              | 42                           | 1.2,1.5,1.8,2.5,2.8,3,3.3,3.6,5.0,Adj          | Ultra-Low IQ                         | -40 to 125                    | SOT23-3,SOT23-5, XDFN1X1-4,SOT89-3 |
| RS3235      | 1.0~6.0                 | 3000                | 105                           | 220@VOUT=1.8V                                     | 60              | —                            | Adj(0.8V~Vin-Vdrop)                            | Low Dropout                          | -40 to 125                    | ESOP8,DFN3X3-10                    |
| RS3239*     | 1.4-6V                  | 2000                | 700                           | 240                                               | /               | /                            | Adj(0.5V~5.5V)                                 | Low Input Voltage, Ultra-Low Dropout | -40 to 125                    | ESOP8                              |
| RS3242      | 2.2~6.0                 | 1000                | 125                           | 230                                               | 66              | 37                           | 0.8/1.0/1.2/1.8/2.5/3.0/3.3/5.0/Adj(0.8V~5.5V) | Low Noise, High PSRR, Low-Dropout    | -40 to 125                    | DFN3X3-8                           |

DC-DC | DC-DC

| Part Number | DC-DC Topology | Switch Current Limit (mA) | Quiescent Current (μA) | Input Voltage Range (V) | Efficiency Max | Output Voltage | Switching Frequency (MHz) | Shutdown Current (μA) | Features                                           | Package      |
|-------------|----------------|---------------------------|------------------------|-------------------------|----------------|----------------|---------------------------|-----------------------|----------------------------------------------------|--------------|
| RS6651      | Sync Boost     | 2700                      | 20                     | 2.2~5.5                 | 95%            | 3.0~5.5V       | 1.1                       | 1                     | Synchronous                                        | TSOT23-6     |
| RS6658      | Sync Boost     | 450                       | 2                      | 0.7~4.5                 | 93%            | 3.3/2.8        | —                         | —                     | Ultra-Low IQ,Integrated LDO,Automatic pass-through | DFN1.5X1.5-6 |

负载开关 | Load Switch

| Part Number | Input Voltage Range (V) | Quiescent Current (μA) | Enable Logic | Current Limit (A) | R <sub>DS(on)</sub> (mΩ) | Soft-Start | Fault Flag | Features                                               | Package   |
|-------------|-------------------------|------------------------|--------------|-------------------|--------------------------|------------|------------|--------------------------------------------------------|-----------|
| RS2523*     | 2.6~22V                 | 150                    | High         | 0.1~1.6 Adj       | 75                       | Yes        | Yes        |                                                        | SOT23-6   |
| RS2580      | 0.6~5.5                 | 35                     | High         | 6.0               | 20                       | Yes        | No         | With Bias Voltage ,Configurable Rise Time              | DFN2X2-8  |
| RS2580C     | 0.6~5.5                 | 25                     | High         | 6.0               | 17                       | Yes        | No         | With Bias Voltage ,Configurable Rise Time              | DFN2X2-8  |
| RS2581      | 0.6~5.5                 | 34                     | High         | 6.0               | 18                       | Yes        | No         | Dual-Channel,With Bias Voltage ,Configurable Rise Time | DFN3X2-14 |
| RS2582      | 2.5~5.5                 | 27                     | High         | 0.4~2.7 Adj       | 70                       | Yes        | No         |                                                        | SOT23-5   |
| RS2583      | 2.5~5.5                 | 27                     | High         | 0.4~2.7 Adj       | 70                       | Yes        | Yes        |                                                        | SOT23-6   |
| RS2587      | 1.6~4.2                 | 11                     | High         | 1.5               | 105                      | Yes        | No         | Reverse-Current Blocking,Quick Output Discharge Pin    | SC70-6    |
| RS2588      | 2.5~5.5                 | 30                     | High         | 1.1/2.1/2.6/3.0   | 70/54                    | Yes        | Yes        |                                                        | SOT23-5   |
| RS2599A     | 2.5~5.5                 | 85                     | High         | 0.4~3.0 Adj       | 50                       | Yes        | Yes        | OCP Accuracy: ±7%                                      | DFN3X3-8  |

过压保护 | OVP

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| Part Number | Quiescent Current (μA) | Input Voltage Range (V) | VIN OVP (V) | VB OVP (V) | Current Limit (A) | Rds(on) (mΩ) | Soft-Start | Fault Flag | Package   |
|-------------|------------------------|-------------------------|-------------|------------|-------------------|--------------|------------|------------|-----------|
| RS2601      | 400                    | 3~40                    | 5.85        | 4.35       | 1.0 Adj           | 230          | Yes        | Yes        | DFN2X2-8  |
| RS2604      | 175                    | 4.5~40                  | ADJ         | —          | 0.35~2.5 Adj      | 80           | Yes        | Yes        | UDFN2X3-8 |

电压检测和复位 | Supervisor&Reset ICs

| Part Number | Quiescent Current (μA) | Manual Reset | Vcc (V) | Detect Threshold        | Watchdog Timer | Vcc to Reset Delay (μs) | Reset Active Timeout Period (ms) | Reset Output | Package       |
|-------------|------------------------|--------------|---------|-------------------------|----------------|-------------------------|----------------------------------|--------------|---------------|
| RS706       | 20                     | Yes          | 1.2~5.5 | 2.63,2.93,3.08,4.0,4.65 | 1.6s           | 33                      | 200                              | Low          | SOP8          |
| RS802       | 3                      | No           | 1.2~5.5 | 2.63,2.93,3.08,4.0,4.65 | No             | 33                      | ADJ                              | High         | SC70-4,SOT143 |
| RS803       | 20                     | No           | 1.2~5.5 | 2.63,2.93,3.08,4.0,4.65 | No             | 33                      | 200                              | Low          | SOT23         |
| RS804       | 3                      | No           | 1.2~5.5 | 2.63,2.93,3.08,4.0,4.65 | No             | 33                      | ADJ                              | Low          | SOT23-5       |
| RS806       | 20                     | Yes          | 1.2~5.5 | 2.63,2.93,3.08,4.0,4.65 | 1.6s           | 33                      | 200                              | Low          | SOT23-5       |
| RS809       | 20                     | No           | 1.2~5.5 | 2.63,2.93,3.08,4.0,4.65 | No             | 33                      | 200                              | Low          | SOT23         |
| RS810       | 20                     | No           | 1.2~5.5 | 2.63,2.93,3.08,4.0,4.65 | No             | 33                      | 200                              | High         | SOT23         |
| RS811       | 20                     | Yes          | 1.2~5.5 | 2.63,2.93,3.08,4.0,4.65 | No             | 33                      | 200                              | Low          | SOT143        |

马达驱动 | Motor Driver

| Part Number | Motor Type       | Output Current Max (A) | Sleep Mode Current (μA) | Vcc (V) | VM Operating Voltage (V) | PWM Frequency | Operating Current (μA) | Operating Temperature Range (°C) | Package       |
|-------------|------------------|------------------------|-------------------------|---------|--------------------------|---------------|------------------------|----------------------------------|---------------|
| RS8837      | Brushed DC Motor | 1.8                    | 0.1                     | 2.5~7   | 0~14                     | 0~250 kHz     | 510                    | -40°C~85°C                       | SOP8,DFN2X2-8 |

电荷泵 | Charge Pump

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| Part Number | Function      | Output Current Max (mA) | Quiescent Current (μA) | Input Voltage Range (V) | Efficiency Max | Output Voltage | Switching Frequency (KHz) | Operating Temperature Range (°C) | Package |
|-------------|---------------|-------------------------|------------------------|-------------------------|----------------|----------------|---------------------------|----------------------------------|---------|
| RS6903      | Inverts Input | 60                      | 110                    | 1.5~5.5                 | 85%            | -Vin           | 50                        | -40°C~85°C                       | SOT23-5 |

门极驱动 | Gate Driver

| Part Number | Function             | Channel | Source/Sink Peak Current (A) | Input Voltage Range (V) | Fast Propagation Delays (nS) | Fast Rise/Fall Times (nS) | Operating Junction Range (°C) | Package  |
|-------------|----------------------|---------|------------------------------|-------------------------|------------------------------|---------------------------|-------------------------------|----------|
| RS8801      | Low-Side Gate Driver | 1       | 5/5                          | 4.5~18                  | 11                           | 8.5/7                     | -40°C~140°C                   | SOT23-5  |
| RS8802      | Low-Side Gate Driver | 2       | 5/5                          | 4.5~18                  | 13                           | 7/6                       | -40°C~140°C                   | SOP8     |
| RS8803 *    | Low-Side Gate Driver | 1       | 4/8                          | 4.5~18                  | 11                           | 8.5/7                     | -40°C~140°C                   | SOT23-6  |
| RS8804 *    | Low-Side Gate Driver | 1       | 4/8                          | 4.5~18                  | 11                           | 8.5/7                     | -40°C~140°C                   | DFN2X2-6 |

LED驱动 | LED Driver

| Part Number | Function                | Quiescent Current (mA) | Input Voltage Range (V) | Open LED Protection (V) | ILIM (A) | Switching Frequency (KHz) | Operating Temperature Range (°C) | Package  |
|-------------|-------------------------|------------------------|-------------------------|-------------------------|----------|---------------------------|----------------------------------|----------|
| RS3750      | Boost, White LED Driver | 0.87                   | 2.7~20                  | 30                      | 1.65     | 1150                      | -40°C~85°C                       | SOT23-6  |
| RS3752 *    | Boost, White LED Driver | 0.3                    | 2.7~5.5                 | 38                      | 1.8      | 1200                      | -40°C~85°C                       | TSOT23-6 |
| RS3766 *    | Boost, White LED Driver | 0.2                    | 2.7~5.5                 | 38                      | 2.75     | 1200                      | -40°C~85°C                       | TSOT23-6 |

锂电池充电管理 | Battery Charger

| Part Number | Function          | Quiescent Current (μA) | Input Voltage Range (V) | VIN OVP (V) | Charge Voltages (V) | Charge Current (mA) | Operating Temperature Range (°C) | Package  |
|-------------|-------------------|------------------------|-------------------------|-------------|---------------------|---------------------|----------------------------------|----------|
| RS4040      | 1S Linear Charger | 70                     | 3.5~16                  | 6.5         | 4.2/4.3/4.35        | 4~400               | -40°C~85°C                       | DFN2X2-8 |



# 车规产品

## AUTOMOTIVE PRODUCTS

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### 精密运算放大器 | Precision Operational Amplifier

| Part Number | Amplifiers per Package | Vos Max@25°C (μV) | TC of Vos Typ (μV/°C) | IB Typ (pA) | Enoise 0.01Hz~10Hz (μVpp) | Enoise Typ@1kHz (nV/√Hz) | Total Supply Voltage (V) | GBW Typ (MHz) | Slew Rate Typ (V/μs) | Iq/Amp Typ (μA) | AOL Typ (dB) | CMRR Typ (dB) | Rail-to-Rail I/O | Additional Feature | Operating Temperature Range (°C) | Package    |
|-------------|------------------------|-------------------|-----------------------|-------------|---------------------------|--------------------------|--------------------------|---------------|----------------------|-----------------|--------------|---------------|------------------|--------------------|----------------------------------|------------|
| RS8551-Q1   | 1                      | 50                | 0.05                  | 50          | 0.93                      | 45                       | 2.7~5.5                  | 4.3           | 2.5                  | 650             | 120          | 120           | In,Out           | EMI Hardened       | -40 to 125                       | SOT23-5    |
| RS8552-Q1   | 2                      | 5.0               | 0.05                  | 50          | 0.93                      | 45                       | 2.7~5.5                  | 4.3           | 2.5                  | 650             | 120          | 120           | In,Out           | EMI Hardened       | -40 to 125                       | SOP8,MSOP8 |
| RS8557-Q1   | 1                      | 50                | 0.05                  | 50          | 0.93                      | 45                       | 2.7~5.5                  | 4.3           | 2.5                  | 650             | 120          | 120           | In,Out           | EMI Hardened       | -40 to 125                       | SOT23-5    |
| RS8558-Q1   | 1                      | 50                | 0.05                  | 50          | 0.93                      | 45                       | 2.7~5.5                  | 4.3           | 2.5                  | 650             | 120          | 120           | In,Out           | EMI Hardened       | -40 to 125                       | SOP8,MSOP8 |

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

| Part Number | Amplifiers per Package | GBW Typ (MHz) | Iq/Amp Typ (mA) | Total Supply Voltage (V) | Vos Max@25°C (mV) | Slew Rate Typ (V/μs) | Rail-to-Rail I/O | TC of Vos Typ (μV/°C) | Enoise Typ@1kHz (nV/√Hz) | IB Typ (pA) | AOL Typ (dB) | PSRR Typ (dB) | CMRR Typ (dB) | Additional Feature | Operating Temperature Range (°C) | Package |
|-------------|------------------------|---------------|-----------------|--------------------------|-------------------|----------------------|------------------|-----------------------|--------------------------|-------------|--------------|---------------|---------------|--------------------|----------------------------------|---------|
| RS8701-Q1   | 1                      | 50            | 7.6             | 2.2~5.5                  | 0.2               | 40                   | In,Out           | 1.5                   | 4.4                      | 10          | 120          | 100           | 96            | Zero-Crossover     | -40 to 125                       | SOT23-5 |
| RS8702-Q1   | 2                      | 50            | 7.6             | 2.2~5.5                  | 0.2               | 40                   | In,Out           | 1.5                   | 4.4                      | 10          | 120          | 100           | 96            | Zero-Crossover     | -40 to 125                       | SOP8    |
| RS8762P-Q1  | 2                      | 250           | 8.3             | 2.7~5.5                  | 2                 | 180                  | In,Out           | 10                    | 6                        | 100         | 105          | 80            | 80            | —                  | -40 to 125                       | MSOP8   |

通用运算放大器 | General Operational Amplifier

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| Part Number | Amplifiers per Package | Vos Max@25°C (mV) | Iq/Amp Typ (μA) | Total Supply Voltage (V) | GBW Typ (MHz) | Slew Rate Typ (V/μs) | Rail-to-Rail I/O |  | TC of Vos Typ (μV/°C) | Enosie Typ@1kHz (nV/√Hz) | IB Typ (pA) | AOL Typ (dB) | PSRR Typ (dB) | CMRR Typ (dB) | Additional Feature                       | Operating Temperature Range (°C) | Package           |
|-------------|------------------------|-------------------|-----------------|--------------------------|---------------|----------------------|------------------|--|-----------------------|--------------------------|-------------|--------------|---------------|---------------|------------------------------------------|----------------------------------|-------------------|
| RS321BK-Q1  | 1                      | 4.5               | 65              | 2.5~5.5                  | 1.0           | 0.45                 | In,Out           |  | 2.0                   | /                        | 10          | 110          | 75            | 85            | —                                        | -40 to 125                       | SC70-5            |
| RS6331-Q1   | 1                      | 1.0               | 62              | 2.2~5.5                  | 1.4           | 0.5                  | In,Out           |  | 1                     | 47                       | 1           | 122          | 90            | 90            | —                                        | -40 to 125                       | SC70-5, SOT23-5   |
| RS6332-Q1   | 2                      | 1.0               | 62              | 2.2~5.5                  | 1.4           | 0.5                  | In,Out           |  | 1                     | 47                       | 1           | 122          | 90            | 90            | —                                        | -40 to 125                       | SOP8,MSOP8        |
| RS6334-Q1   | 4                      | 1.0               | 62              | 2.2~5.5                  | 1.4           | 0.5                  | In,Out           |  | 1                     | 47                       | 1           | 122          | 90            | 90            | —                                        | -40 to 125                       | SOP14,TSSOP14     |
| RS8411-Q1   | 1                      | 2.0               | 120             | 3.0~32                   | 1.2           | 0.67                 | Out              |  | 3                     | 45                       | 10          | 115          | 120           | 110           | —                                        | -40 to 125                       | SOT23-5           |
| RS8412-Q1   | 2                      | 2.0               | 120             | 3.0~32                   | 1.2           | 0.67                 | Out              |  | 3                     | 45                       | 10          | 115          | 120           | 110           | —                                        | -40 to 125                       | SOP8,MSOP8,TSSOP8 |
| RS8414-Q1   | 4                      | 2.0               | 120             | 3.0~26                   | 1.2           | 0.67                 | Out              |  | 3                     | 45                       | 10          | 115          | 120           | 110           | —                                        | -40 to 125                       | SOP14,TSSOP14     |
| RS8442-Q1   | 2                      | 1.0               | 440             | 3.0~32                   | 3.8           | 15                   | Out              |  | 2                     | 30                       | 10          | 120          | 120           | 120           | High slew rate                           | -40 to 125                       | SOP8,MSOP8        |
| RS8444-Q1   | 4                      | 1.0               | 440             | 3.0~32                   | 3.8           | 15                   | Out              |  | 2                     | 30                       | 10          | 120          | 120           | 120           | High slew rate                           | -40 to 125                       | TSSOP14           |
| RS8452-Q1   | 2                      | 2.3               | 3000            | 5~32                     | 8             | 5                    | Out              |  | 5                     | 35                       | 10          | 100          | 110           | 110           | —                                        | -40 to 125                       | SOP8,MSOP8        |
| RS8454-Q1   | 4                      | 2.3               | 3000            | 5~26                     | 8             | 5                    | Out              |  | 5                     | 35                       | 10          | 100          | 110           | 110           | —                                        | -40 to 125                       | SOP14             |
| RS8473-Q1   | 2                      | 4.5               | 4100            | 5.0~24                   | 18            | 80                   | In,Out           |  | 4.5                   | 22                       | 500         | 140          | 102           | 83            | High slew rate, High peak output current | -40 to 125                       | ETSSOP14          |

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

| Part Number | Amplifiers per Package | Enoise Typ@1kHz (nV/√Hz) | GBW Typ (MHz) | Slew Rate Typ (V/μs) | Iq/Amp Typ (mA) | Total Supply Voltage (V) | Rail-to-Rail I/O |  | Vos Max@25°C (mV) | TC of Vos Typ (μV/°C) | IB Typ (pA) | AOL Typ (dB) | PSRR Typ (dB) | CMRR Typ (dB) | Additional Feature | Operating Temperature Range (°C) | Package             |
|-------------|------------------------|--------------------------|---------------|----------------------|-----------------|--------------------------|------------------|--|-------------------|-----------------------|-------------|--------------|---------------|---------------|--------------------|----------------------------------|---------------------|
| RS621-Q1    | 1                      | 14                       | 7             | 4.3                  | 0.6             | 2.5~5.5                  | In,Out           |  | 1.5               | 2.3                   | 1           | 127          | 90            | 94            | —                  | -40 to 125                       | SOT23-5             |
| RS622-Q1    | 2                      | 14                       | 7             | 4.3                  | 0.625           | 2.5~5.5                  | In,Out           |  | 1.5               | 2.3                   | 1           | 127          | 90            | 94            | —                  | -40 to 125                       | SOP8,MSOP8,DFN2X2-8 |
| RS721P-Q1   | 1                      | —                        | 13            | 8                    | 1.15            | 2.7~5.5                  | In,Out           |  | 1.5               | 2.6                   | 1           | 127          | 93            | 90            | —                  | -40 to 125                       | SOT23-5             |
| RS722P-Q1   | 2                      | —                        | 13            | 8                    | 1.15            | 2.7~5.5                  | In,Out           |  | 1.5               | 2.6                   | 1           | 127          | 93            | 90            | —                  | -40 to 125                       | SOP8,MSOP8          |
| RS724-Q1    | 4                      | —                        | 13            | 8                    | 1.15            | 2.7~5.5                  | In,Out           |  | 3                 | 2.6                   | 1           | 127          | 93            | 90            | —                  | -40 to 125                       | SOP14,TSSOP14       |
| RS8701-Q1   | 1                      | 4.4                      | 50            | 40                   | 7.6             | 2.2~5.5                  | In,Out           |  | 0.2               | 1.5                   | 10          | 120          | 100           | 96            | Zero-Crossover     | -40 to 125                       | SOT23-5             |
| RS8702-Q1   | 2                      | 4.4                      | 50            | 40                   | 7.6             | 2.2~5.5                  | In,Out           |  | 0.2               | 1.5                   | 10          | 120          | 100           | 96            | Zero-Crossover     | -40 to 125                       | SOP8                |

电流检测放大器 | Current-sense Amplifier

| Part Number | Common Mode Voltage (V) | Supply Voltage (V) | Input Offset (+/-)(Max) (μV) | Input Offset Drift (+/-)(Typ) (μV/°C) | Gain (V/V) | Gain Error (%) |  | Gain vs Temperature (Typ) (ppm/°C) |  | CMRR (Min) (dB) | Bandwidth at min Gain (kHz) | Slew Rate Typ @G=50 (V/μs) | Iq (Max) (mA) | Operating Temperature Range (°C) | Package     |
|-------------|-------------------------|--------------------|------------------------------|---------------------------------------|------------|----------------|--|------------------------------------|--|-----------------|-----------------------------|----------------------------|---------------|----------------------------------|-------------|
| RS199XP-Q1  | -0.1~28                 | 2.7~28             | 120                          | 0.3                                   | 50/100     | 0.5            |  | 4.5                                |  | 95              | 60                          | 0.5                        | 0.15          | -40 to 125                       | SC70-6      |
| RSA240-Q1   | -5.0~100                | 2.7~5.5            | 30                           | /                                     | 20,50,100  | 0.1            |  | 5                                  |  | 135             | 500                         | 2.3                        | 1.8           | -40 to 125                       | TSSOP8,SOP8 |

比较器 | Comparator

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| Part Number | Comparators per Package | Iq/Comp Typ (μA) | Input Common Mode Voltage Range(V) | Vcc (V) | Vos Max@25°C (mV) | t , H to L @Vcc=5V PD(μs) | t , L to H @Vcc=5V PD(μs) | TRise @Vcc=5V (ns) | TFall @Vcc=5V (ns) | Logic Output | Operating Temperature Range (°C) | Package           |
|-------------|-------------------------|------------------|------------------------------------|---------|-------------------|---------------------------|---------------------------|--------------------|--------------------|--------------|----------------------------------|-------------------|
| RS331-Q1    | 1                       | 60               | (V-)-0.1~(V+)+0.1                  | 1.8~5.5 | 4.5               | 0.12                      | 0.32                      | /                  | 20                 | Open-Drain   | -40 to 125                       | SOT23-5           |
| RS393-Q1    | 2                       | 50               | (V-)-0.1~(V+)+0.1                  | 1.8~5.5 | 3.5               | 0.12                      | 0.32                      | /                  | 20                 | Open-Drain   | -40 to 125                       | SOP8              |
| LM2903-Q1   | 2                       | 55               | (V-) ~(V+)-1.5                     | 3.3~32  | 4.5               | 0.5                       | 1.6                       | /                  | /                  | Open-Drain   | -40 to 125                       | SOP8,MSOP8,TSSOP8 |
| LM2903V-Q1  | 2                       | 190              | (V-) ~(V+)-1.5                     | 3.3~32  | 3.5               | 0.3                       | 0.6                       | /                  | /                  | Open-Drain   | -40 to 125                       | SOP8,MSOP8,       |
| LM2901-Q1   | 4                       | 45               | (V-) ~(V+)-1.5                     | 3.3~32  | 4.5               | 0.4                       | 0.8                       | /                  | /                  | Open-Drain   | -40 to 125                       | SOP14,TSSOP14     |
| LM2901V-Q1  | 4                       | 190              | (V-) ~(V+)-1.5                     | 3.3~32  | 3.5               | 0.3                       | 0.6                       | /                  | /                  | Open-Drain   | -40 to 125                       | SOP14,TSSOP14     |
| RS8905-Q1   | 2                       | 0.4              | (V-)-0.1~(V+)+0.1                  | 1.4~5.5 | 3.5               | 15                        | 31                        | 240                | 260                | Push-Pull    | -40 to 125                       | MSOP8             |
| RS8907-Q1   | 1                       | 0.4              | (V-)-0.1~(V+)+0.1                  | 1.4~5.5 | 3.5               | 9                         | 21                        | 240                | 260                | Push-Pull    | -40 to 125                       | SOT23-5           |

模拟开关 | Analog Switches

| Part Number | Channel | Type | Ron (@5V) (Ω) | -3dB Bandwidth (MHz) | Vcc (Min) (V) | Vcc (Max) (V) | Iq (μA) | Vinh(Min) (@5V) (V) | Vinl(Max) (@5V) (V) | ton (@5V) (ns) | toff (@5V) (ns) | Operating Temperature Range (°C) | Package               |
|-------------|---------|------|---------------|----------------------|---------------|---------------|---------|---------------------|---------------------|----------------|-----------------|----------------------------------|-----------------------|
| RS2057A-Q1  | 1       | 1:2  | 4.5           | 340                  | 1.65          | 5.5           | 1       | 0.7Vcc              | 0.3Vcc              | 4              | 3.5             | -40 to 125                       | SOT23-6,SC70-6        |
| RS2166A-Q1  | 1       | 1:1  | 4.5           | 300                  | 1.8           | 5.5           | 1       | 0.7Vcc              | 0.3Vcc              | 4              | 3.5             | -40 to 125                       | SC70-5                |
| RS2058A-Q1  | 2       | 1:2  | 4.5           | 340                  | 1.65          | 5.5           | 1       | 0.7Vcc              | 0.3Vcc              | 4              | 3.5             | -40 to 125                       | MSOP10                |
| RS2233-Q1   | 4       | 1:2  | 8             | 220                  | 1.8           | 5.5           | 1       | 2.0                 | 0.5                 | 13             | 30              | -40 to 125                       | TSSOP16               |
| RS2251-Q1   | 1       | 1:8  | 48            | 180                  | 2.5           | 5.5           | 3       | 1.7                 | 0.5                 | 65             | 150             | -40 to 125                       | TSSOP16               |
| RS2260-Q1   | 1       | 1:8  | 105           | 150                  | 2             | 6             | /       | 3.5                 | 1.5                 | 14.5           | 121.5           | -40 to 125                       | TSSOP16,QFN2.5X3.5-16 |
| RMUX1309-Q1 | 2       | 1:4  | 95            | 220                  | 1.6           | 5.5           | 1       | 1.4                 | 0.9                 | 35             | 35              | -40 to 125                       | TSSOP16,QFN2.5X3.5-16 |

并联电压基准源 | Shunt Voltage References

| Part Number | VREF (V) | Voltage Tolerance | VKA (V) | IREF (Max,μA) | IKA (Min, mA) | Temperature Coefficient | Operating Temperature Range (°C) | Package |
|-------------|----------|-------------------|---------|---------------|---------------|-------------------------|----------------------------------|---------|
| RS431-Q1    | 2.5      | 0.5%              | 2.5~32  | 4             | 0.5           | 50ppm/°C                | -40 to 125                       | SOT23   |
| RS432-Q1    | 2.5      | 0.5%              | 2.5~32  | 4             | 0.5           | 50ppm/°C                | -40 to 125                       | SOT23   |

串联电压基准源 | Series Voltage References

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| Part Number | VREF (V)                                     | Voltage Tolerance | Temperature Coefficient (Max) | Iout (Max,mA) | Quiescent Current (μA) | LFN 0.1 to 10 Hz (typ) (μVPP) | Operating Temperature | Package |
|-------------|----------------------------------------------|-------------------|-------------------------------|---------------|------------------------|-------------------------------|-----------------------|---------|
| RS3112-Q1   | 1.25,2.048,2.5,3.0,3.3,4.096                 | 0.1%              | 20ppm/°C                      | 10            | 150                    | 35                            | -40 to 125            | SOT23   |
| RS34xx-Q1   | 1.2,1.25,1.8,2.048,2.5,3.0,3.3,4.096,4.5,5.0 | 0.05%             | 10ppm/°C                      | 10            | 150                    | 8                             | -40 to 125            | SOT23-6 |

线性稳压器 | Linear Regulator

| Part Number | Input Voltage Range (V) | Output Current (mA) | Ground Current (No Load) (μA) | Dropout Voltage @IOUT=Full current/Vout=3.3V (mV) | PSRR @1kHz (dB) | Output current Noise (μVRMS) | Vout (V)                           | Features                                                           | Operating Junction Range (°C) | Package                         |
|-------------|-------------------------|---------------------|-------------------------------|---------------------------------------------------|-----------------|------------------------------|------------------------------------|--------------------------------------------------------------------|-------------------------------|---------------------------------|
| RS3009-Q1*  | 4.5~60                  | 100                 | 32                            | 240                                               | 63              | 400                          | 3.3/5.0                            | AEC-Q100,Enable Input                                              | -40 to 150                    | SOT23-3,SOT23-5,SOT223          |
| RS3010-Q1*  | 4~40                    | 150                 | 8.5                           | 280(0.2A/>4V)                                     | 78@100Hz        | /                            | Adj(1.5V~40)                       | AEC-Q100,Tracking LDO,Ultra-Low IQ,Enable Input                    | -40 to 150                    | ESOP8                           |
| RS3011-Q1   | 4~40                    | 300                 | 8.5                           | 280(0.2A/>4V)                                     | 78@100Hz        | /                            | Adj(1.5V~40)                       | AEC-Q100,Tracking LDO,Ultra-Low IQ,Enable Input                    | -40 to 150                    | ESOP8                           |
| RS3012-Q1*  | 4~40                    | 400                 | 8.5                           | 280(0.2A/>4V)                                     | 78@100Hz        | /                            | Adj(1.5V~40)                       | AEC-Q100,Tracking LDO,Ultra-Low IQ,Enable Input                    | -40 to 150                    | TO252-4,TO263-5                 |
| RS3014-Q1*  | 3~45                    | 150                 | 3                             | 575                                               | 58              | 120                          | 2.5/3.3/5.0                        | AEC-Q100,Ultra-Low IQ                                              | -40 to 150                    | SOT23-3,SOT23-5,SOT-223         |
| RS3015-Q1   | 3~45                    | 300                 | 3                             | 1150                                              | 58              | 120                          | 2.5/3.3/5.0                        | AEC-Q100,Ultra-Low IQ,Enable Input                                 | -40 to 150                    | SOT23-5,EMSOP8,SOT-223,DFN2X2-6 |
| RS3017-Q1*  | 3~40                    | 300                 | 7                             | 460                                               | 53              | 80                           | 1.8/2.5/3.0/3.3/5.0/Adj(1.25V~15V) | Low IQ,Enable Input,Low Dropout, PG,Programmable PG Delay          | -40 to 150                    | ESOP8                           |
| RS3027-Q1*  | 3~40                    | 300                 | 7                             | 460                                               | 53              | 80                           | 1.8/2.5/3.0/3.3/5.0/Adj(1.25V~24V) | Low IQ,Enable Input,Low Dropout, PG,Programmable PG Delay          | -40 to 150                    | EMSOP8                          |
| RS3215-Q1   | 2.7~6.5                 | 500                 | 45                            | 250                                               | 64              | 11xVOUT                      | 1.8,3.3,ADJ                        | AEC-Q100,Fast Start-Up,Fast Response, High Output Accuracy: ±0.75% | -40 to 150                    | SOT23-5, DFN2X2-6, DFN3X3-8     |

电压检测和复位 | Supervisor&Reset ICs

| Part Number | Quiescent Current (μA) | Manual Reset | Vcc (V) | Detect Threshold | Watchdog Timer | Vcc to Reset Delay μs) | Reset Active Timeout Period (ms) | Reset Output | Package |
|-------------|------------------------|--------------|---------|------------------|----------------|------------------------|----------------------------------|--------------|---------|
| RS706-Q1    | 20                     | Yes          | 1.2~5.5 | 2.93             | 1.6s           | 33                     | 200                              | Low          | SOP8    |
| RS806-Q1    | 20                     | Yes          | 1.2~5.5 | 3.08             | 1.6s           | 33                     | 200                              | Low          | SOT23-5 |



LED驱动 | LED Driver

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| Part Number | Function                                               | Channel | Quiescent Current (mA) | Input Voltage Range (V) | Open LED Protection (V) | Maximum Current (A) | Operating Junction Range (°C) | Package  |
|-------------|--------------------------------------------------------|---------|------------------------|-------------------------|-------------------------|---------------------|-------------------------------|----------|
| RS3700-Q1   | High-Side LED Driver Thermal Sharing                   | 1       | 0.45                   | 4.5~40                  | Yes                     | 0.5                 | -40 to 150                    | EMSOP-8  |
| RS3702-Q1   | High-Side LED Driver Thermal Sharing                   | 3       | 1.3                    | 4.5~40                  | Yes                     | 0.2                 | -40 to 150                    | ETSSOP16 |
| RS3703-Q1   | High-Side LED Driver Thermal Sharing Off-Board Binning | 3       | 1.5                    | 4.5~40                  | Yes                     | 0.15                | -40 to 150                    | ETSSOP20 |

时钟&计时器 | Clock & Timing

| Part Number | Function              | Vcc (Min) (V) | Vcc (Max) (V) | Iq (Typ) (mA) | Output Frequency (Max) (MHz) | Output Current (Source) (mA) | Output Current (Sink) (mA) | Output Type | Operating Temperature Range (°C) | Package |
|-------------|-----------------------|---------------|---------------|---------------|------------------------------|------------------------------|----------------------------|-------------|----------------------------------|---------|
| RS555-Q1    | General-purpose timer | 4.5           | 16            | 0.24          | 6                            | 10                           | 100                        | CMOS        | -40 to 125                       | SOP8    |

电平转换器 | Level Shifters

| Part Number      | Translators per Package | Data Rate (Mbps) | VCCA Range (V) | VCCB Range (V) | Direction     | VCC Shutdown I/O State | Icc Max (μA) | Shutdown Icc Max (μA) | Logic Output         | Features                  | Package                            |
|------------------|-------------------------|------------------|----------------|----------------|---------------|------------------------|--------------|-----------------------|----------------------|---------------------------|------------------------------------|
| RS0102-Q1        | 2                       | 24/2             | 1.65~5.5       | 2.3~5.5        | Bidirectional | Hi-Z                   | 13           | 1                     | Open-Drain/Push-Pull | GPIO/I²C Level Shifter    | VSSOP8                             |
| RS0104-Q1        | 4                       | 24/2             | 1.65~5.5       | 2.3~5.5        | Bidirectional | Hi-Z                   | 15           | 1                     | Open-Drain/Push-Pull | GPIO/I²C Level Shifter    | UQFN2X1.7-12,TSSOP14,QFN3.5X3.5-14 |
| RS0108-Q1        | 8                       | 24/2             | 1.65~5.5       | 2.3~5.5        | Bidirectional | Hi-Z                   | 30           | 1                     | Open-Drain/Push-Pull | GPIO/I²C Level Shifter    | TSSOP20                            |
| RS0204A-Q1       | 4                       | 100              | 1.2~3.6        | 1.65~5.5       | Bidirectional | Hi-Z                   | 10           | 1                     | Push-Pull            | GPIO Level Shifter        | UQFN2X1.7-12,TSSOP14               |
| RS0208A-Q1       | 8                       | 100              | 1.2~3.6        | 1.65~5.5       | Bidirectional | Hi-Z                   | 10           | 1                     | Push-Pull            | GPIO Level Shifter        | UQFN2X1.7-12,TSSOP14               |
| RS0302-Q1        | 2                       | 100              | 1.0~5.5        | 1.8~5.5        | Bidirectional | Hi-Z                   | /            | 5                     | Open-Drain           | I2C & SMBus Level Shifter | VSSOP8                             |
| RS1T45-Q1        | 1                       | 200              | 1.65~5.5       | 1.65~5.5       | Configurable  | Hi-Z                   | 4            | /                     | Push-Pull            | GPIO Level Shifter        | SC70-6                             |
| RS2T45-Q1        | 2                       | 200              | 1.65~5.5       | 1.65~5.5       | Configurable  | Hi-Z                   | 4            | /                     | Push-Pull            | GPIO Level Shifter        | VSSOP8                             |
| RS4T245-Q1       | 4                       | 200              | 1.65~5.5       | 1.65~5.5       | Configurable  | Hi-Z                   | 20           | /                     | Push-Pull            | GPIO Level Shifter        | QFN2.5x3.5-16                      |
| RS74AVCH4T245-Q1 | 4                       | 380              | 1.2~3.6        | 1.2~3.6        | Configurable  | Hi-Z                   | 10           | /                     | Push-Pull            | GPIO Level Shifter        | QFN2.5x3.5-16                      |
| RS4T774-Q1*      | 4                       | 200              | 1.1~3.6        | 1.1~3.6        | Configurable  | Hi-Z                   | 30           | 1                     | Push-Pull            | GPIO Level Shifter        | QFN2.6X1.8-16                      |
| RS8T245-Q1       | 8                       | 200              | 1.65~5.5       | 1.65~5.5       | Configurable  | Hi-Z                   | 25           | /                     | Push-Pull            | GPIO Level Shifter        | TSSOP24                            |
| RS8T245A-Q1      | 8                       | 200              | 1.65~5.5       | 1.65~5.5       | Configurable  | Hi-Z                   | 25           | /                     | Push-Pull            | GPIO Level Shifter        | TSSOP24                            |

\* 产品研发中 Under Development

| Part Number | VCC Range (V) | Icc Max (μA,full temp.) | Features                                                | Package                |
|-------------|---------------|-------------------------|---------------------------------------------------------|------------------------|
| RS1G00-Q1   | 1.65~5.5      | 10                      | Single Channel 2-Input NAND Gate                        | SC70-5                 |
| RS2G00-Q1   | 1.65~5.5      | 10                      | Dual Channel 2-Input NAND Gate                          | VSSOP8,MSOP8           |
| RS4G00-Q1   | 2.0~5.5       | 10                      | Quad Channel 2-Input NAND Gate                          | SOP14,TSSOP14          |
| RS1G04-Q1   | 1.65~5.5      | 10                      | Single Channel Schmitt-Trigger Inverter                 | SC70-5                 |
| RS2G04-Q1   | 1.65~5.5      | 10                      | Dual Channel Schmitt-Trigger Inverter                   | SC70-6                 |
| RS1G07-Q1   | 1.65~5.5      | 10                      | Single Channel Non-inverting Buffer , Open-drain Output | SC70-5                 |
| RS1G08-Q1   | 1.65~5.5      | 10                      | Single 2-Input Positive-AND Gate                        | SOT23-5,SC70-5         |
| RS1GT08-Q1  | 2.0~5.5       | 10                      | Single Channel 2-Input AND Gate,TTL Input               | SC70-5                 |
| RS2G08-Q1   | 1.65~5.5      | 10                      | Dual Channel 2-Input Positive-AND Gate                  | VSSOP8,MSOP8           |
| RS4G08-Q1   | 1.65~5.5      | 10                      | Quad Channel 2-Input AND Gate                           | SOP14,TSSOP14,QFN2.5*3 |
| RS4GT08-Q1  | 2.0~5.5       | 11                      | Quad Channel 2-Input AND Gate,TTL Input                 | TSSOP14                |
| RS1G11-Q1   | 1.65~5.5      | 10                      | Single 3-Input Positive-AND Gate                        | SC70-6                 |
| RS3G11-Q1   | 1.65~5.5      | 10                      | Triple 3-Input Positive-AND Gate                        | TSSOP14                |
| RS1G14-Q1   | 1.65~5.5      | 10                      | Single Schmitt-Trigger Inverter                         | SC70-5                 |
| RS2G14-Q1   | 1.65~5.5      | 10                      | Dual Schmitt-Trigger Inverter                           | SC70-6                 |
| RS6G14-Q1   | 1.65~5.5      | 10                      | Six Channel Schmitt-Trigger Inverter                    | TSSOP14                |
| RS1G17-Q1   | 1.65~5.5      | 10                      | Single Schmitt-Trigger Buffer                           | SC70-5                 |
| RS2G17-Q1   | 1.65~5.5      | 10                      | Dual Channel Schmitt-Trigger Buffer                     | SC70-6                 |
| RS1G32-Q1   | 1.65~5.5      | 10                      | Single 2-Input Positive-OR Gate                         | SOT23-5,SC70-5         |
| RS4G32-Q1   | 1.65~5.5      | 10                      | Quad Channel 2-input OR Gate                            | SOP14,TSSOP14          |
| RS4GT32-Q1  | 1.65~5.5      | 10                      | Quad Channel 2-input OR Gate,TTL Input                  | TSSOP14,QFN2.5*3       |
| RS2G34-Q1   | 1.65~5.5      | 10                      | Dual Channel Buffer Gate                                | UDFN1.45X1-6           |
| RS1G125-Q1  | 1.65~5.5      | 10                      | Single Active-Low Bus Buffer Gate ,3-State Output       | SC70-5                 |
| RS4G125-Q1  | 1.65~5.5      | 10                      | Quad Active-Low Bus Buffer Gate, 3-State Output         | TSSOP14                |
| RS1G126-Q1  | 1.65~5.5      | 10                      | Single Active-High Bus Buffer Gate , 3-State Output     | SC70-5                 |
| RS4G126-Q1  | 1.65~5.5      | 10                      | Quad Active-High Bus Buffer Gate, 3-State Output        | SOP14,TSSOP14          |
| RS1G74-Q1   | 1.65~5.5      | 10                      | Single Positive-Edge-Triggered D-Type Flip-Flop         | VSSOP8                 |
| RS1G79-Q1   | 1.65~5.5      | 10                      | Single D-type flip-flop; positive-edge trigger          | SC70-5                 |
| RS1G175-Q1  | 1.65~5.5      | 10                      | Single Positive-Edge-Triggered D-Type Flip-Flop         | SC70-6                 |
| RS1G373-Q1  | 1.65~5.5      | 10                      | Single D-type transparent latch; 3-state                | SC70-6                 |

| Part Number | VCC Range (V) | Icc Max (μA,full temp.) | Features                                                   | Package       |
|-------------|---------------|-------------------------|------------------------------------------------------------|---------------|
| RS244-Q1    | 1.65~5.5      | 5                       | Octal Buffer/Driver , 3-State Outputs for automobile       | TSSOP20       |
| RS244S-Q1   | 1.65~5.5      | 5                       | Octal Buffer/Driver , 3-State Outputs for automobile       | TSSOP20       |
| RS245S-Q1   | 1.65~5.5      | 2                       | Octal Buffer/Driver , 3-State Outputs for automobile       | TSSOP20       |
| RS244T-Q1   | 4.5~5.5       | 40                      | TTL input, Octal Buffer/Driver ,3-State Outputs            | TSSOP20       |
| RS4538-Q1   | 2.3~6.0       | 160                     | Dual Retriggerable Precision Monostable Multivibrator      | TSSOP16       |
| RS541T-Q1   | 2.0~5.5       | 40                      | TTL input ,Octal Buffers and Line Drivers ,3-State Outputs | TSSOP20       |
| RS573-Q1    | 1.65~5.5      | 80                      | Octal D-type transparent Latch ,3-State Outputs            | TSSOP20       |
| RS595-Q1    | 2.0~5.5       | 160                     | 8-Bit Shift Registers , 3-State Output                     | SOP16,TSSOP16 |
| RS595T-Q1   | 2.0~5.5       | 160                     | 8-Bit Shift Registers , 3-State Output, TTL Input          | TSSOP16       |
| RS74HC74-Q1 | 1.65~5.5      | 10                      | Dual Positive-Edge-Triggered D-Type Flip-Flop              | SOP14,TSSOP14 |