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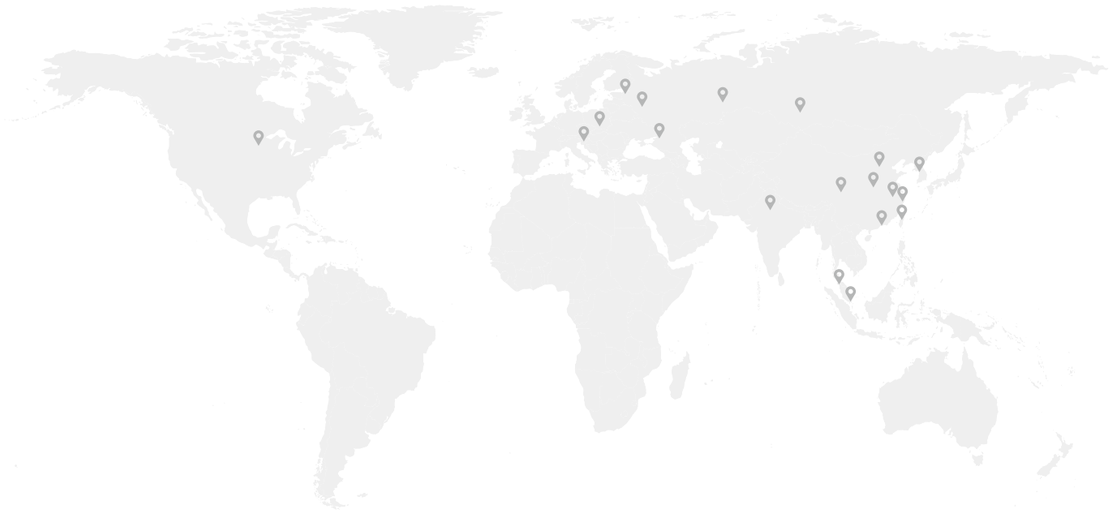
To Make Runic Chips Active In Every Corner of The World



销售热线：400-8090-866

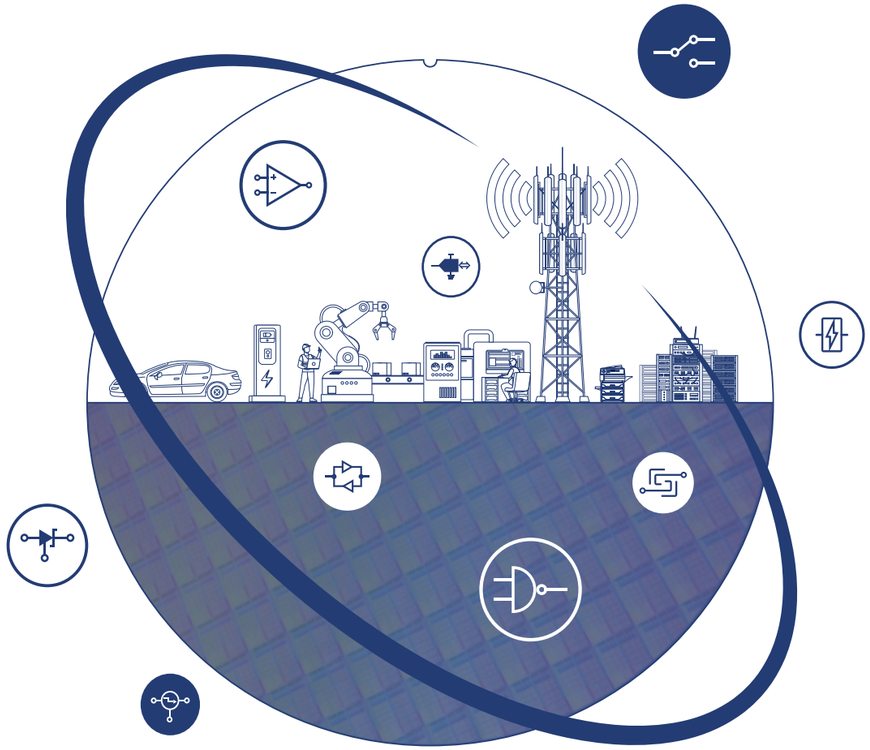
Tel：+86-755-23595309

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



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2024.06

— 专 注 模 拟 技 术 —

— Focus on Analog Technology —

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8号金乾座20层

20th Floor, Jinqian Building, No. 8 Hongyi Road, Xinwu District, Wuxi City,Jiangsu Province

Tel: +86 510 8538 7528 / E-mail: runic_overseas@163.com

润石科技官网 Website

润石科技公众号 Wechat public account

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, Hwangsaeul-ro 200beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea, 13595

Tel：+82 10 4189 0299 / E-mail: overseas@run-ic.com

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均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

Download Datasheet

精密运算放大器 | Precision Operational Amplifier

Part Number	Amplifiers per Package	Vos(Offset Voltage) Max@25°C (uV)	TC of Vos Typ (uV/°C)	IB Typ (pA)	Enoise 0.01Hz~10Hz (uVpp)	Enoise Typ@1kHz (nV/√Hz)	Total Supply Voltage (V)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Iq/Amp Typ (uA)	AOL Typ (dB)	CMRR Typ (dB)	Rail-to-Rail I/O	Additional Feature	Operating Temperature Range (°C)	Package
RS8491	1	400	5	0.05	5	16	5.0~25	3.3	2.1	1000	130	102	Out	Ultra low input bias current	-40 to 125	SOP8
RS8501*	1	20	0.05	5	25	—	2.2~5.5	0.015	0.01	5	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8502*	2	20	0.05	5	25	—	2.2~5.5	0.015	0.01	5	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS8504*	4	20	0.05	5	25	—	2.2~5.5	0.015	0.01	5	130	130	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	60	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8512	2	40	0.05	50	1.6	70	2.3~5.5	0.35	0.17	60	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	60	130	130	In,Out	EMI Hardened	-40 to 125	SOP14,TSSOP14
RS8521	1	5	0.005	10	3.2	140	2.3~5.5	0.35	0.17	60	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8522	2	5	0.005	10	3.2	140	2.3~5.5	0.35	0.17	60	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	60	130	130	In,Out	EMI Hardened	-40 to 125	SOP14,TSSOP14
RS8538	1	5	0.005	50	1.3	60	2.5~5.5	1.6	0.7	180	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8539	2	5	0.005	50	1.3	60	2.5~5.5	1.6	0.7	180	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	40	130	120	In,Out	EMI Hardened	-40 to 125	SOT23-5,SC70-5
RS8542	2	30	0.08	330	0.9	45	2.0~5.5	0.35	0.16	40	130	120	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	640	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
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	2	5	0.005	50	0.75	35	2.7~5.5	4.5	2.7	640	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS8552-Q1	2	5	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
RS8554	4	5	0.005	50	0.75	35	2.7~5.5	4.5	2.7	640	130	130	In,Out	EMI Hardened	-40 to 125	SOP14,TSSOP14

* 产品研发中 Under Development　Q1 产品通过车规认证 AEC-Q100 qualified

精密运算放大器 | Precision Operational Amplifier

Download Datasheet

Part Number	Amplifiers per Package	Vos(Offset Voltage) Max@25°C (uV)	TC of Vos Typ (uV/°C)	IB Typ (pA)	Enoise 0.01Hz~10Hz (uVpp)	Enoise Typ@1kHz (nV/√Hz)	Total Supply Voltage (V)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Iq/Amp Typ (uA)	AOL Typ (dB)	CMRR Typ (dB)	Rail-to-Rail I/O	Additional Feature	Operating Temperature Range (°C)	Package
RS8557	1	20	0.03	50	0.93	45	2.7~5.5	4.3	2.5	650	120	120	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
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	2	20	0.03	50	0.93	45	2.7~5.5	4.3	2.5	650	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	650	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	1300	120	120	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8562	2	20	0.1	100	0.48	32	2.9~5.5	11	8.5	1300	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	1300	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	730	130	130	In,Out	EMI Hardened	-40 to 125	SOT23-5
RS8621	1	400	5	10	4.3	14	5~32	2	1.2	1000	150	115	Out	EMI Hardened	-40 to 125	SOP8
RS8622	2	400	5	10	4.3	14	5~32	2	1.2	1000	150	115	Out	EMI Hardened	-40 to 125	SOP8
RS8631 *	1	30	0.01	50	0.75	45	3.3~36	0.37	0.12	125	120	120	Out	EMI Hardened	-40 to 125	SOP8,MSOP8
RS8632 *	2	30	0.01	50	0.75	45	3.3~36	0.37	0.12	125	120	120	Out	EMI Hardened	-40 to 125	SOP8,MSOP8
RS8634 *	4	30	0.01	50	0.75	45	3.3~36	0.37	0.12	125	120	120	Out	EMI Hardened	-40 to 125	SOP14,TSSOP14
RS8651	1	50	0.1	100	0.6	30	3.3~32	2	1	900	130	120	Out	EMI Hardened	-40 to 85	SOP8
RS8652	2	50	0.15	100	0.6	30	3.3~32	2	1	900	130	120	Out	EMI Hardened	-40 to 125	SOP8,MSOP8
RS8654	4	50	0.15	100	0.6	30	3.3~32	2	1	1000	130	120	Out	EMI Hardened	-40 to 125	SOP14
RS8661	1	25	0.1	300	0.2	8	4.5~36	11	15	2000	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	2000	150	150	Out	EMI Hardened	-40 to 125	SOP8
RS8664	4	25	0.1	300	0.2	8	4.5~36	11	15	2000	150	150	Out	EMI Hardened	-40 to 125	SOP14
RS07 *	1	50	0.5	10	4	12	4.5~40	2.5	1.5	1200	140	120	Out	CL Hardened	-40 to 125	SOP8
RS07D *	1	100	0.5	10	4	12	4.5~40	2.5	1.5	1200	140	120	Out	CL Hardened	-40 to 125	SOP8

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 (Min) (V)	Total Supply Voltage (Max) (V)	Vos Max@25°C (mV)	Slew Rate Typ (V/us)	Rail-to-Rail I/O	TC of Vos Typ (uV/°C)	Enoise Typ@1kHz (nV/√Hz)	IB Typ (pA)	AOL 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	100	Zero-Crossover	-40 to 125	SOT23-5
RS8701-Q1	1	50	7.6	2.2	5.5	0.2	40	In,Out	1.5	4.4	10	120	96	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	100	Zero-Crossover	-40 to 125	SOP8,MSOP8
RS8702-Q1	2	50	7.6	2.2	5.5	0.2	40	In,Out	1.5	4.4	10	120	96	Zero-Crossover	-40 to 125	SOP8

* 产品研发中 Under Development Q1 产品通过车规认证 AEC-Q100 qualified

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

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Part Number	Amplifiers per Package	GBW Typ (MHz)	Iq/Amp Typ (mA)	Total Supply Voltage (Min) (V)	Total Supply Voltage (Max) (V)	Vos Max@25°C (mV)	Slew Rate Typ (V/us)	Rail-to -Rail I/O	TC of Vos Typ (uV/°C)	Enoise Typ@1kHz (nV/√Hz)	IB Typ (pA)	AOL Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS8704	4	50	7	2.2	5.5	0.2	40	In,Out	1.6	4.4	50	124	100	Zero-Crossover	-40 to 125	SOP14
RS8751	1	250	2.9	2.5	5.5	7.5	180	Out	4	8	1	110	85	—	-40 to 125	SOT23-5
RS8752	2	250	2.9	2.5	5.5	7.5	180	Out	4	8	1	110	85	—	-40 to 125	SOP8,MSOP8,TSSOP8
RS8754	4	250	2.9	2.5	5.5	7.5	180	Out	4	8	1	110	85	—	-40 to 125	SOP14,TSSOP14
RS8761	1	250	8.3	2.7	5.5	2	180	In,Out	10	6	3	105	80	—	-40 to 125	SOT23-5
RS8762	2	250	8.3	2.7	5.5	2	180	In,Out	10	6	3	105	80	—	-40 to 125	SOP8,MSOP8,TSSOP8
RS8764	4	250	8.3	2.7	5.5	2	180	In,Out	10	6	3	105	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 (uA)	Total Supply Voltage (Min) (V)	Total Supply Voltage (Max) (V)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Rail-to -Rail I/O	TC of Vos Typ (uV/°C)	Enosie Typ@1kHz (nV/√Hz)	IB Typ (pA)	AOL Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
LM2904	2	2.5	1300	3	36	1.2	0.5	/	8	38	15000	110	100	—	-40 to 125	SOP8,MSOP8,TSSOP8
LM358A	2	2.5	1300	3	36	1.2	0.5	/	8	38	15000	105	95	—	-40 to 125	SOP8,TSSOP8
RS121	1	5	12	2.5	5.5	0.15	0.05	In,Out	/	77	1	110	95	—	-40 to 125	SOT23-5
RS121P	1	0.6	7.6	2.6	5.5	0.1	0.04	In,Out	2.5	98	1	104	80	—	-40 to 125	SOT23-5,SC70-5
RS122	2	5	12	2.5	5.5	0.15	0.05	In,Out	/	77	1	110	95	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS124	4	5	12	2.5	5.5	0.15	0.05	In,Out	/	77	1	110	95	—	-40 to 125	SOP14,TSSOP14
RS221	1	3.5	26	2.5	5.5	0.5	0.18	In,Out	2.9	30	1	110	90	—	-40 to 125	SOT23-5
RS222	2	3.5	26	2.5	5.5	0.5	0.18	In,Out	2.9	30	1	110	90	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS224	4	3.5	26	2.5	5.5	0.5	0.18	In,Out	2.9	30	1	110	90	—	-40 to 125	SOP14,TSSOP14
RS321	1	4.5	60	2.2	5.5	1.1	0.5	In,Out	2.9	23	1	100	80	—	-40 to 125	SOT23-5
RS321BK-Q1	1	4.5	60	2.2	5.5	1.1	0.5	In,Out	2.9	23	1	100	80	—	-40 to 125	SC70-5
RS358	2	4.5	60	2.2	5.5	1.1	0.5	In,Out	2.9	23	1	100	80	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS324	4	4.5	60	2.2	5.5	1.1	0.5	In,Out	2.9	23	1	100	80	—	-40 to 125	SOP14,TSSOP14
RS6331	1	3	58	2.2	5.5	1.1	0.5	In,Out	2	22	1	110	90	—	-40 to 125	SOT23-5
RS6331P	1	0.5	85	2.1	5.5	1.1	0.5	In,Out	2	22	10	120	95	—	-40 to 125	SOT23-5
RS6331-Q1	1	1.0	62	2.2	5.5	1.4	0.5	In,Out	1	47	1	122	90	—	-40 to 125	SC70-5,SOT23-5
RS6331BP	1	0.5	85	2.1	5.5	1.1	0.5	In,Out	2	22	10	120	95	—	-40 to 125	SOT23-5
RS6331S	1	3	58	2.2	5.5	1.1	0.5	In,Out	2	22	1	110	90	Shutdown	-40 to 125	SOT23-6

Q1 产品通过车规认证 AEC-Q100 qualified

通用运算放大器 | General Operational Amplifier

Download Datasheet

Part Number	Amplifiers per Package	Vos Max@25°C (mV)	Iq/Amp Typ (uA)	Total Supply Voltage (Min) (V)	Total Supply Voltage (Max) (V)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Rail-to-Rail I/O	TC of Vos Typ (uV/°C)	Enosie Typ@1kHz (nV/√Hz)	IB Typ (pA)	AOL Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS6332	2	3	58	2.2	5.5	1.1	0.5	In,Out	2	22	1	110	90	—	-40 to 125	SOP8,MSOP8,TSSOP8
RS6332-Q1	2	1.0	62	2.2	5.5	1.4	0.5	In,Out	1	47	1	122	90	—	-40 to 125	SOP8,MSOP8
RS6332P	2	0.5	85	2.1	5.5	1.1	0.5	In,Out	2	22	10	120	95	—	-40 to 125	SOP8,MSOP8
RS6332P-Q1	2	1.0	62	2.2	5.5	1.4	0.5	In,Out	1	47	1	122	90	—	-40 to 125	SOP8
RS6332S	2	3.0	58	2.2	5.5	1.1	0.5	In,Out	2	22	1	110	90	Shutdown	-40 to 125	MSOP10
RS6334	4	3.0	58	2.2	5.5	1.1	0.5	In,Out	2	22	1	110	90	—	-40 to 125	SOP14,TSSOP14,QFN3X3-16
RS6334-Q1	4	1.0	62	2.2	5.5	1.4	0.5	In,Out	1	47	1	122	90	—	-40 to 125	SOP14,TSSOP14
RS6334P	4	0.8	85	2.1	5.5	1.1	0.5	In,Out	2	22	10	120	95	—	-40 to 125	SOP14,TSSOP14
RS8401*	1	3.0	20	3.0	36	0.23	0.11	Out	3	45	10	110	110	—	-40 to 125	SOT23-5
RS8402*	2	3.0	20	3.0	36	0.23	0.11	Out	3	45	10	110	110	—	-40 to 125	SOP8,MSOP8
RS8404*	4	3.0	20	3.0	36	0.23	0.11	Out	3	45	10	110	110	—	-40 to 125	SOP14,TSSOP14
RS8411	1	4.0	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOT23-5
RS8411BP	1	1.5	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOT23-5
RS8411-Q1	1	2.0	120	3.0	32	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOT23-5
RS8412	2	4.0	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOP8,MSOP8
RS8412-Q1	2	2.0	120	3.0	32	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOP8,MSOP8,TSSOP8
RS8412P	2	1.5	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOP8,MSOP8
RS8414	4	4.0	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOP14,TSSOP14
RS8414P	4	1.5	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOP14,TSSOP14
RS8414-Q1	4	2.0	120	3.0	26	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOP14,TSSOP14
RS8422	2	3.0	1800	4.4	36	5.0	3.0	Out	5	44	10	100	110	—	-40 to 125	SOP8,MSOP8
RS8422P	2	1.5	1800	4.4	36	5.0	3.0	Out	5	44	10	100	110	—	-40 to 125	SOP8,MSOP8
RS8424	4	3.0	1800	4.4	36	5.0	3.0	Out	5	44	10	100	110	—	-40 to 125	SOP14,TSSOP14
RS8441*	1	3.5	440	3.0	32	3.8	15	Out	2	30	10	120	120	High slew rate	-40 to 125	SOT23-5
RS8442	2	3.5	440	3.0	32	3.8	15	Out	2	30	10	120	120	High slew rate	-40 to 125	SOP8,MSOP8
RS8444	4	3.5	440	3.0	32	3.8	15	Out	2	30	10	120	120	High slew rate	-40 to 125	SOP14,TSSOP14
RS8452	2	3.0	3000	5.0	36	8.0	5.0	Out	5	35	10	100	110	—	-40 to 125	SOP8,MSOP8
RS8452-Q1	2	2.0	3000	5.0	32	8.0	5.0	Out	5	35	10	100	110	—	-40 to 125	SOP8,MSOP8
RS8452P	2	1.5	3000	5.0	36	8.0	5.0	Out	5	35	10	100	110	—	-40 to 125	SOP8,MSOP8
RS8454-Q1	4	2.0	3000	5.0	26	8.0	5.0	Out	5	35	10	100	110	—	-40 to 125	SOP14

* 产品研发中 Under Development Q1 产品通过车规认证 AEC-Q100 qualified

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 (uA)	Total Supply Voltage (Min) (V)	Total Supply Voltage (Max) (V)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Rail-to-Rail I/O	TC of Vos Typ (uV/°C)	Enosie Typ@1kHz (nV/√Hz)	IB Typ (pA)	AOL Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS8454P	4	1.5	3000	5.0	36	8.0	5.0	Out	5	35	10	100	110	—	-40 to 125	SOP14,TSSOP14
RS8461P	1	1.0	2200	4.5	32	10.0	24.0	Out	3.4	40	10	124	110	High slew rate	-40 to 125	SOT23-5
RS8462P	2	1.0	2200	4.5	32	10.0	24.0	Out	3.4	40	10	124	110	High slew rate	-40 to 125	SOP8
RS8464P	4	1.0	2200	4.5	32	10.0	24.0	Out	3.4	40	10	124	110	High slew rate	-40 to 125	SOP14
RS8471	1	4.5	5500	4.5	24	25	65	In,Out	6	45	100	130	68	High slew rate, High peak output current	-40 to 85	DFN3X3-8
RS8488P*	2	6.0	1400	7	30	3	13	In,Out	2	18	1	125	86	High slew rate	-40 to 125	SOP8

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/us)	Iq/Amp Typ (uA)	Total Supply Voltage (Min) (V)	Total Supply Voltage (Max) (V)	Rail-to-Rail I/O	Vos Max@25°C (mV)	TC of Vos Typ (uV/°C)	IB Typ (pA)	AOL Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS521	1	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOT23-5
RS522	2	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOP8,MSOP8
RS524	4	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOP14,TSSOP14
RS621	1	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOT23-5,SC70-5
RS621P	1	11	7	3.7	720	2.5	5.5	In,Out	0.5	2	1	110	96	—	-40 to 125	SOT23-5
RS621-Q1	1	14	7	4.3	625	2.5	5.5	In,Out	1.5	2.3	1	127	94	—	-40 to 125	SOT23-5
RS622	2	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOP8,MSOP8,TSSOP8 DFN2X2-8, DFN3X3-8
RS622A	2	11	7	3.7	750	2.5	5.5	In,Out	3	2	1	106	92	High output current	-40 to 125	SOP8,MSOP8,TSSOP8
RS622P	2	11	7	3.7	720	2.5	5.5	In,Out	0.5	2	1	110	96	—	-40 to 125	SOP8,MSOP8
RS622-Q1	2	14	7	4.3	625	2.5	5.5	In,Out	1.5	2.3	1	127	94	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS624	4	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOP14,TSSOP14, DFN3X2-14,QFN3X3-16
RS624P	4	11	7	3.7	720	2.5	5.5	In,Out	0.5	2	1	110	96	—	-40 to 125	SOP14,TSSOP14
RS721	1	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOT23-5,SC70-5,DFN2X2-6
RS721P	1	9.5	10	6	1100	2.5	5.5	In,Out	0.5	2.6	1	110	97	—	-40 to 125	SOT23-5,SC70-5
RS721P-Q1	1	—	13	8	1150	2.7	5.5	In,Out	1.5	2.6	1	127	90	—	-40 to 125	SOT23-5
RS721S	1	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOT23-6
RS722	2	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOP8,MSOP8,DFN2X2-8, DFN3X3-8
RS722P	2	9.5	10	6	1100	2.5	5.5	In,Out	0.5	2.6	1	110	97	—	-40 to 125	SOP8,MSOP8

* 产品研发中 Under Development　Q1 产品通过车规认证 AEC-Q100 qualified

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/us)	Iq/Amp Typ (uA)	Total Supply Voltage (Min) (V)	Total Supply Voltage (Max) (V)	Rail-to -Rail I/O	Vos Max@25°C (mV)	TC of Vos Typ (uV/°C)	IB Typ (pA)	AOL Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS722P-Q1	2	—	13	8	1150	2.7	5.5	In,Out	1.5	2.6	1	127	90	—	-40 to 125	SOP8,MSOP8
RS724	4	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOP14,TSSOP14
RS724P	4	9.5	10	6	1100	2.5	5.5	In,Out	0.8	2.6	1	110	97	—	-40 to 125	SOP14,TSSOP14
RS724-Q1	4	—	13	8	1150	2.7	5.5	In,Out	3	2.6	1	127	90	—	-40 to 125	SOP14,TSSOP14
RS821	1	8.5	14	10	1900	2.5	5.5	In,Out	2.5	1.6	1	100	88	—	-40 to 125	SOT23-5
RS821S	1	8.5	14	10	1900	2.5	5.5	In,Out	2.5	1.6	1	100	88	Shutdown	-40 to 125	SOT23-6
RS822	2	8.5	14	10	1900	2.5	5.5	In,Out	2.5	1.6	1	100	88	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS822S	2	8.5	14	10	1900	2.5	5.5	In,Out	2.5	1.6	1	100	88	Shutdown	-40 to 125	MSOP10
RS824	4	8.5	14	10	1900	2.5	5.5	In,Out	2.5	1.6	1	100	88	—	-40 to 125	SOP14,TSSOP14

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

Part Number	Amplifiers per Package	Iq/Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (KHz)	Slew Rate Typ (V/ms)	Enoise Typ@1kHz (nV/√Hz)	Vos Max@25°C (mV)	TC of Vos Typ (uV/°C)	IB Typ (pA)	AOL 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	90	Yes	—	-40 to 125	SOT23-5
RS8031	1	0.8	1.4	5.5	15	7.5	160	4	2.3	1	106	90	Yes	—	-40 to 125	SOT23-5
RS8032	2	0.8	1.4	5.5	15	7.5	160	4	2.3	1	106	90	Yes	—	-40 to 125	SOP8,MSOP8
RS8034	4	0.8	1.4	5.5	15	7.5	160	4	2.3	1	106	90	Yes	—	-40 to 125	SOP14,TSSOP14
RS8041	1	1.1	1.4	5.5	15	6.5	280	4	2	2	105	73	Yes	—	-40 to 125	SOT23-5,SC70-5
RS8041B-Q1	1	1.1	1.4	5.5	15	6.5	280	4	2	2	105	73	Yes	—	-40 to 125	SC70-5
RS8042 *	2	1.1	1.4	5.5	15	6.5	280	4	2	2	105	73	Yes	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS8044 *	4	1.1	1.4	5.5	15	6.5	280	4	2	2	105	73	Yes	—	-40 to 125	SOP14,TSSOP14
RS8051	1	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	—	-40 to 125	SOT23-5
RS8052	2	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS8054	4	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	—	-40 to 125	SOP14,TSSOP14

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仪表放大器 | Instrumentation Amplifier

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Part Number	Common Mode Voltage (Max) (V)	Common Mode Voltage (Min) (V)	Input Offset (+/-)(Max) (uV)	Input Offset Drift (+/-)(Typ) (uV/C)	Gain (V/V)	Gain Error (%)	CMRR (Min) (dB)	Bandwidth at min Gain (kHz)	Supply Voltage (Max) (V)	Supply Voltage (Min) (V)	Iq (Max) (mA)	Operating Temperature Range (°C)	Package
RS631B *	32	4.6	150	10	10,50,100	0.21	90	900	32	4.6	3.4	-40 to 125	SOP8
RS633	(V+)-0.1	(V-)+0.1	15+150/G	1.5	10,20,50,100	0.15	95	150	5.5	2.3	0.165	-40 to 125	MSOP8

电流检测放大器 | Current-sense Amplifier

Part Number	Common Mode Voltage (Max) (V)	Common Mode Voltage (Min) (V)	Input Offset (+/-)(Max) (uV)	Input Offset Drift (+/-)(Typ) (uV/C)	Gain (V/V)	Gain Error (%)	CMRR (Min) (dB)	Bandwidth at min Gain (kHz)	Supply Voltage (Max) (V)	Supply Voltage (Min) (V)	Iq (Max) (mA)	Operating Temperature Range (°C)	Package
RS181 *	26	-0.1	130	0.5	20,50,100,200	0.1	117	400	5.5	3	0.27	-40 to 125	SOT23-6
RS186 *	40	-0.2	50	0.5	25, 50, 100, 200, 500	1	120	45	5.5	2.7	0.09	-40 to 125	SOT23-6, SC70-6
RS199	26	0.0	350	2	50,100,200	0.4	85	25	26	2.7	0.13	-40 to 125	SC70-6
RS199-Q1	26	0.0	350	2	50	0.4	85	25	26	2.7	0.13	-40 to 125	SC70-6
RSA240 *	80	-4.0	25	0.5	20,50,100,200	0.2	120	400	5.5	2.7	2.6	-40 to 125	SOP8
RS299 *	76	4.5	200	/	20,50,60,100	0.25	110	135	76	4.5	0.135	-40 to 125	SOP8
RS381 *	26	-0.2	500	0.1	20,50,100,200	1	100	350	5.5	2.7	0.45	-40 to 125	SOP14

微功耗比较器 | Nano Power Comparator

Part Number	Number of Channels (#)	Iq per channel (Typ) (nA)	Feature	Vcc (V)	V_{OS} (Offset Voltage @ 25°C) (Max) (mV)	Propagation Delay (L to H@ Overdrive = 100 mV) (µs)	Propagation Delay (H to L@ Overdrive = 100 mV) (µs)	T_{Rise} @Vcc=5V (ns)	T_{Fall} @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
RS8905-Q1	2	400	N	1.4~5.5	3	21	9	240	260	Push-Pull	-40 to 125	MSOP8
RS8907	1	400	N	1.4~5.5	3	21	9	240	260	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8907-Q1	1	400	N	1.4~5.5	3	21	9	240	260	Push-Pull	-40 to 125	SOT23-5
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

* 产品研发中 Under Development Q1 产品通过车规认证 AEC-Q100 qualified

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 t_{PD}(ns)	t , L to H @Vcc=5V t_{PD}(ns)	T_{Rise} @Vcc=5V (ns)	T_{Fall} @Vcc=5V (ns)	Logic Output	Operating Temperature Range (°C)	Package
RS8904	1	120	-0.1~Vs+0.1	2.7~5.5	20	25	30	2	2	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8906*	1	1300	-0.1~Vs+0.1	2.7~5.5	5	6	6	8	6	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8908*	1	22	-0.1~Vs+0.1	2.7~5.5	5	95	120	8	6	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8910*	2	22	-0.1~Vs+0.1	2.7~5.5	5	95	120	8	6	Push-Pull	-40 to 125	SOP8,MSOP8
RS8911*	1	150	-0.1~Vs-1.2	2.7~5.5	5	30	22	11	8	Push-Pull	-40 to 125	SOT23-5
RS8920	2	186	V- ~(V+)-1.5	2.8~36	3.5	40	—	/	10	Open-Drain(NFET)	-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
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
RS331	1	50	-0.1~Vs+0.1	1.8~5.5	3.5	185	700	/	42	Open-Drain(NFET)	-40 to 125	SOT23-5
RS331-Q1	1	60	-0.1~Vs+0.1	1.8~5.5	4.5	120	320	/	20	Open-Drain(NFET)	-40 to 125	SOT23-5
RS393	2	50	-0.1~Vs+0.1	1.8~5.5	3.5	185	700	/	42	Open-Drain(NFET)	-40 to 125	SOP8,MSOP8
RS393-Q1	2	50	-0.1~Vs+0.1	1.8~5.5	3.5	185	700	/	42	Open-Drain(NFET)	-40 to 125	SOP8
RS339	4	50	-0.1~Vs+0.1	1.8~5.5	3.5	185	700	/	42	Open-Drain(NFET)	-40 to 125	SOP14,TSSOP14
LM331	1	65	-0.1~ Vs-1.5	3.0~32	7.5	300	300	/	/	Open-Drain(NFET)	-40 to 125	SOT23-5
LM393	2	20	-0.1~ Vs-1.5	3.0~32	4.5	2000	6100	/	/	Open-Drain(NFET)	-40 to 125	SOP8
LM2903	2	55	-0.1~ Vs-1.5	3.3~32	3.5	500	1600	/	/	Open-Drain(NFET)	-40 to 125	SOP8,MSOP8
LM2903H	2	55	V- ~(V+)-1.5	3.8~36	4.5	250	600	/	/	Open-Drain(NFET)	-40 to 125	SOP8,MSOP8
LM2903-Q1	2	55	-0.1~ Vs-1.5	3.3~32	4.5	500	1600	/	/	Open-Drain	-40 to 125	SOP8,MSOP8,TSSOP8
LM2901	4	45	-0.1~ Vs-1.5	3.3~32	4.5	400	800	/	/	Open-Drain(NFET)	-40 to 125	SOP14,TSSOP14
LM2901-Q1	4	45	-0.1~ Vs-1.5	3.3~32	4.5	400	800	/	/	Open-Drain	-40 to 125	SOP14,TSSOP14

* 产品研发中 Under Development Q1 产品通过车规认证 AEC-Q100 qualified

模拟开关
ANALOG SWITCHES

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模拟开关 | Analog Switches

Part Number	CH	Type	R_{ON} (@5V) (Ω)	-3dB Bandwidth (MHz)	V_{CC} (Min) (V)	V_{CC} (Max) (V)	Iq (μA)	V_{INH}(Min) (@5V) (V)	V_{INL}(Max) (@5V) (V)	t_{ON} (@5V) (ns)	t_{OFF} (@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	0.7Vcc	0.3Vcc	8	8	-40 to 125	SC70-6,SOT23-6
RS2057A-Q1 *	1	1:2	4.5	340	1.65	5.5	1	0.7Vcc	0.3Vcc	8	8	-40 to 125	SC70-6
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
RS2099H	4	1:2	0.6	110	1.8	5.5	1	1.5	0.6	35	7.5	-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
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
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

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模拟开关 | Analog Switches

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Part Number	CH	Type	R_{ON} (@5V) (Ω)	-3dB Bandwidth (MHz)	V_{CC} (Min) (V)	V_{CC} (Max) (V)	I_Q (μA)	V_{INH}(Min) (@5V) (V)	V_{INL}(Max) (@5V) (V)	t_{ON} (@5V) (ns)	t_{OFF} (@5V) (ns)	Operating Temperature Range (°C)	Package
RS2233-Q1	4	1:2	8	220	1.8	5.5	1	2.0	0.5	13	30	-40 to 125	TSSOP16
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
RS2251	1	1:8	48	180	2.5	5.5	3	1.7	0.5	65	80	-40 to 125	SOP16,TSSOP16,QFN3X3-16
RS2251-Q1	1	1:8	48	180	2.5	5.5	3	1.7	0.5	65	150	-40 to 125	TSSOP16
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
RS2260-Q1	1	1:8	105	150	2.0	6.0	/	3.5	1.5	14.5	121.5	-40 to 125	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
RS2274 *	2	1:4	5@3.3V	550	2.5	4.4	8	1	0.35	200	90	-40 to 125	QFN3X3-16,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	0.7Vcc	0.3Vcc	35	20	-40 to 125	TSSOP16,QFN3X3-16
RS23167 *	1	1:16	50 @10V	120	3.0	12	15	0.7Vcc	0.3Vcc	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
RMUX1309-Q1 *	2	1:4	80	400	1.65	5.5	3	1.6	0.8	30	30	-40 to 125	TSSOP16,QFN3.5X2.5-16

特殊开关系列 | Specialty Switches

Part Number	CH	Type	R_{ON} (@5V) (Ω)	-3dB Bandwidth (MHz)	V_{CC} (ON) (V)	V_{CC} (OFF) (V)	I_Q Typ (μA)	V_{INH} (Min) (V)	V_{INL} (Max) (V)	t_{ON} (@1.6V) (ns)	t_{OFF} (@1.6V) (ns)	Operating Temperature Range (°C)	Package
RS550	4	1:1	0.5	200	0~0.2	1.6~3.0	40	0.8*Vcc	0.2*Vcc	160	90	-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	100μs	-40 to 85	WLCSP9,DFN3X3-8

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接口 & 时钟
INTERFACE & CLOCK

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接口芯片 | Interface

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

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	3	16	0.23	6	100	10	CMOS	-40 to 125	SOP8
RS90LV011	LVDS Differential Driver	3	3.6	4.5	250	4.5	/	Differential	-40 to 85	SOT23-5
RS90LV011B	LVDS Differential Driver with Power Off Protection	3	3.6	0.7	250	6	/	Differential	-40 to 85	SOT23-5
RS90LV012A	LVDS Differential Line Receiver	2.7	3.6	4.2	250	50	/	TTL	-40 to 85	SOT23-5
RS90LV047A *	LVDS Differential Line Driver	3	3.6	4	250	4.2	/	LVDS	-40 to 85	SOP16,TSSOP16
RS90LV048A *	LVDS Differential Line Receiver	3	3.6	9	250	47	/	LVTTL, TTL	-40 to 85	SOP16,TSSOP16
RS90LV049 *	LVDS Differential Line Transceiver	3	3.6	35	200	6	/	LVTTL, TTL	-40 to 85	TSSOP16
RS9114C	LVCMOS Clock Buffer	2.5/3.3	2.5/3.3	3/6	250	8/12	8/12	LVCMOS	-40 to 85	TSSOP8
RS925	LVCMOS Clock Generator With SSC Support for EMI Reduction	1.8	3.3	8.56	230	12	12	LVCMOS	-40 to 85	TSSOP16

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数据转换器
DATA CONVERTERS

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

Part Number	Architecture	Resolution (Bits)	Sample Rate (max) (SPS)	# Input Channels	Multi-Channel Configuration	Integrated Features	Interface	Analog Voltage AVDD (Min) (V)	Analog Voltage AVDD (Max) (V)	Operating Temperature Range (°C)	Description	Package
RS1461	SAR	12	1M	1	N/A	1-Ch Single-ended input	SPI	2.7	5.25	-40 to 125	12-Bit ,1MSPS ,1-Ch SAR ADC	SOT23-6
RS1472	SAR	14	2M	2	Multiplexed	2-Ch Differential inputs	SPI	2.7	5.25	-40 to 125	14-Bit ,2MSPS , 2-Ch Differential Input SAR ADC	QFN3x3-16
RS1473	SAR	14	2M	2	Multiplexed	2-Ch Single-ended inputs	SPI	2.7	5.25	-40 to 125	14-Bit ,2MSPS , 2-Ch Single-ended Input SAR ADC	QFN3x3-16
RS1430B	SAR	16	400k	1	N/A	1-Ch Differential /Single-ended Input	SPI	2.7	5.5	-40 to 125	16-Bit ,400kSPS ,1-Ch SAR ADC	MSOP8
RS1434*	SAR	16	250K	4	Multiplexed	4-Ch single-ended, differential, or bipolar inputs	SPI	2.3	5.25	-40 to 125	16-Bit ,250kSPS ,4-Ch SAR ADC	LFCSP20
RS1438*	SAR	16	250K	8	Multiplexed	8-Ch single-ended, differential, or bipolar inputs	SPI	2.3	5.25	-40 to 125	16-Bit ,250kSPS ,8-Ch SAR ADC	LFCSP20
RS1506	Pipeline	8	100M	2	N/A	2-Ch 8-bit monolithic sampling inputs	TTL/CMOS	2.7	3.6	-40 to 85	8-Bit, 100MSPS ,2-Ch ADC	LQFP48
RS1507	Pipeline	8	100M	1	N/A	1-Ch 8-bit monolithic sampling inputs	TTL/CMOS	2.7	3.6	-40 to 85	8-Bit, 100MSPS ,1-Ch ADC	SSOP20
RS1118*	Delta-Sigma	16	1K	4	Multiplexed	Oscillator, PGA, Small Size, Temp Sensor	SPI	2.7	5.25	-40 to 125	16-Bit 1kSPS 4-Ch ADC With PGA	TSSOP, VQFN
RS1120*	Delta-Sigma	16	2K	4	Multiplexed	50/60 Hz Rejection,Oscillator, PGA, Temp Sensor	SPI	2.3	5.5	-40 to 125	16-Bit 2kSPS 4-Ch Low-Power Delta-Sigma ADC	TSSOP, VQFN

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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_{CCA} Range (V)	V_{CCB} Range (V)	Direction	VCC Shutdown I/O State	Icc Max (uA)	Shutdown Icc Max (uA)	Logic Output	Features	Package
RS0101	1	24/2	1.65~5.5	2.3~5.5	Bidirectional	Hi-Z	11	1	Open-Drain/Push-Pull	GPIO 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 Level Shifter	SOT23-8,UDFN2X3-8, XDFN1.4X1-8,VSSOP8
RS0102-Q1	2	24/2	1.65~5.5	2.3~5.5	Bidirectional	Hi-Z	13	1	Open-Drain/Push-Pull	GPIO Level Shifter	VSSOP8
RS0104	4	24/2	1.65~5.5	2.3~5.5	Bidirectional	Hi-Z	15	1	Open-Drain/Push-Pull	GPIO Level Shifter	TSSOP14,UQFN2X2-12, UQFN2X1.7-12,QFN3.5X3.5-14
RS0104-Q1	4	24/2	1.65~5.5	2.3~5.5	Bidirectional	Hi-Z	15	1	Open-Drain/Push-Pull	GPIO Level Shifter	UQFN2X1.7-12,TSSOP14,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 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 Level Shifter	TSSOP20,QFN3X3-20
RS0108-Q1	8	24/2	1.65~5.5	2.3~5.5	Bidirectional	Hi-Z	30	1	Open-Drain/Push-Pull	GPIO Level Shifter	TSSOP20
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-Q1*	4	100	1.2~3.6	1.65~5.5	Bidirectional	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	QFN3.5X3.5-14, UQFN1.8X1.8-12
RS0208	8	100	1.2~3.6	1.65~5.5	Bidirectional	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	TSSOP20,QFN3X3-20
RS0302	2	100	1.0~5.5	1.8~5.5	Bidirectional	Hi-Z	/	5	Open-Drain	I2C & SMBus Level Shifter	SOT23-8,XDFN1.4X1-8, VSSOP8
RS0302-Q1	2	100	1.0~5.5	1.8~5.5	Bidirectional	Hi-Z	/	5	Open-Drain	I2C & SMBus Level Shifter	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
RS1T45-Q1	1	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	4	/	Push-Pull	GPIO Level Shifter	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
RS2T45-Q1	2	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	4	/	Push-Pull	GPIO Level Shifter	VSSOP8
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

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电平转换器 | Level Shifters

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Part Number	Translators per Package	Data Rate (Mbps)	V_{CCA} Range (V)	V_{CCB} Range (V)	Direction	VCC Shutdown I/O State	Icc Max (uA)	Shutdown Icc Max (uA)	Logic Output	Features	Package
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
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
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
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	8	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	25	1	Push-Pull	GPIO Level Shifter	TSSOP24,SOP24
RS8T245-Q1	8	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	25	/	Push-Pull	GPIO Level Shifter	TSSOP24
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

逻辑 | Logic Series

Part Number	Devices per Package	VCC Range (V)	Icc Max (uA,full temp.)	Features	Operating Temperature Range (°C)	Package
RS1G00	1	1.65~5.5	10	Single Channel 2-Input NAND Gate	-40 to 125	SOT23-5,SC70-5
RS1G00-Q1	1	1.65~5.5	10	Single Channel 2-Input NAND Gate	-40 to 125	SC70-5
RS2G00	2	1.65~5.5	10	Dual Channel 2-Input NAND Gate	-40 to 125	MSOP8
RS4G00	4	1.65~5.5	10	Quad Channel 2-Input NAND Gate	-40 to 125	SOP14,TSSOP14
RS4G00-Q1	4	1.65~5.5	10	Quad Channel 2-Input NAND Gate	-40 to 125	SOP14,TSSOP14
RS1G02	1	1.65~5.5	10	Single Channel 2-Input Positive NOR-Gate	-40 to 125	SOT23-5,SC70-5
RS1GT02	1	2.0~5.5	11	Single Channel 2-Input Positive NOR-Gate	-40 to 125	SOT23-5,SC70-5
RS4G02	4	1.65~5.5	10	Quad Channel 2-Input Positive NOR-Gate	-40 to 125	SOP14,TSSOP14
RS1G04	1	1.65~5.5	10	Single Channel Inverter	-40 to 125	SOT23-5,SC70-5
RS1GT04	1	2.0~5.5	10	Single Channel Inverter ,TTL Input	-40 to 125	SOT23-5,SC70-5
RS2G04	2	1.65~5.5	10	Dual Channel Inverter	-40 to 125	SOT23-6,SC70-6
RS3G04	3	1.65~5.5	10	Triple Channel Inverter	-40 to 125	MSOP8,DFN1.4X1-8
RS6G04	6	1.65~5.5	10	Six Channel Inverter	-40 to 125	SOP14,TSSOP14
RS6GT04	6	2.0~5.5	10	Six Channel Inverter ,TTL Input	-40 to 125	SOP14,TSSOP14
RS1G06	1	1.65~5.5	10	Single Channel Inverter with open drain output	-40 to 125	SOT23-5,SC70-5

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逻辑 | Logic Series

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Part Number	Devices per Package	VCC Range (V)	Icc Max (uA)	Features	Operating Temperature Range (°C)	Package
RS1G07	1	1.65~5.5	10	Single Channel Non-inverting Buffer with Open-drain Output	-40 to 125	SOT23-5,SC70-5
RS1G07-Q1 *	1	1.65~5.5	11	Single Channel Non-inverting Buffer with Open-drain Output	-40 to 125	SC70-5
RS2G07	2	1.65~5.5	10	Dual Channel Non-inverting Buffer with Open-drain Output	-40 to 125	SOT23-6,SC70-6
RS6G07	6	1.65~5.5	10	Six Channel Non-inverting Buffer with Open-drain Output	-40 to 125	SOP14,TSSOP14
RS1G08	1	1.65~5.5	10	Single Channel 2-Input AND Gate	-40 to 125	SOT23-5,SC70-5,DFN1X1-6
RS1G08-Q1	1	1.65~5.5	10	Single 2-Input Positive-AND Gate	-40 to 125	SOT23-5,SC70-5
RS1GT08	1	2.0~5.5	10	Single Channel 2-Input AND Gate,TTL Input	-40 to 125	SOT23-5,SC70-5
RS1GT08-Q1 *	1	2.0~5.5	10	Single Channel 2-Input AND Gate,TTL Input	-40 to 125	SC70-5
RS2G08	2	1.65~5.5	10	Dual Channel 2-Input AND Gate	-40 to 125	MSOP8
RS2GT08	2	2.0~5.5	10	Dual 2-Input Positive-AND Gate, TTL input	-40 to 125	MSOP8,VSSOP8
RS4G08	4	1.65~5.5	10	Quad Channel 2-Input AND Gate	-40 to 125	SOP14,TSSOP14
RS4G08-Q1	4	1.65~5.5	10	Quad Channel 2-Input AND Gate	-40 to 125	SOP14,TSSOP14
RS4GT08	4	2.0~5.5	10	Quad Channel 2-Input AND Gate,TTL Input	-40 to 125	SOP14,TSSOP14
RS4GT08-Q1	4	2.0~5.5	10	Quad Channel 2-Input AND Gate,TTL Input	-40 to 125	TSSOP14
RS1G09	1	1.65~5.5	10	Single Channel 2-Input AND Gate with open-drain output	-40 to 125	SOT23-5,SC70-5
RS1G10	1	1.65~5.5	10	Single 3-Input Positive-NAND Gate	-40 to 125	SC70-6
RS1G11	1	1.65~5.5	10	Single 3-Input Positive-AND Gate	-40 to 125	SOT23-6,SC70-6
RS1G11-Q1	1	1.65~5.5	10	Single 3-Input Positive-AND Gate	-40 to 125	SC70-6
RS3G11	3	1.65~5.5	10	Triple 3-Input Positive-AND Gate	-40 to 125	SOP14,TSSOP14
RS3G11-Q1	3	1.65~5.5	10	Triple 3-Input Positive-AND Gate	-40 to 125	TSSOP14
RS1G14	1	1.65~5.5	10	Single Channel Schmitt-Trigger Inverter	-40 to 125	SOT23-5,SC70-5
RS1G14-Q1	1	1.65~5.5	10	Single Schmitt-Trigger Inverter	-40 to 125	SC70-5
RS1GT14	1	2.0~5.5	10	Single Channel Inverter ,TTL Input	-40 to 125	SOT23-5,SC70-5
RS2G14	2	1.65~5.5	10	Dual Channel Schmitt-Trigger Inverter	-40 to 125	SOT23-6,SC70-6
RS3G14	3	1.65~5.5	10	Triple Channel Schmitt-Trigger Inverter	-40 to 125	MSOP8,DFN1.4X1-8
RS6G14	6	1.65~5.5	10	Six Channel Schmitt-Trigger Inverter	-40 to 125	SOP14,TSSOP14
RS6GT14	6	2.0~5.5	10	Six Channel Schmitt-Trigger Inverter，TTL Input	-40 to 125	SOP14,TSSOP14
RS1G17	1	1.65~5.5	10	Single Schmitt-Trigger Buffer	-40 to 125	SOT23-5,SC70-5
RS1G17-Q1	1	1.65~5.5	10	Single Schmitt-Trigger Buffer	-40 to 125	SC70-5
RS1GT17	1	2.0~5.5	10	Single Schmitt-Trigger buffer,TTL Input	-40 to 125	SOT23-5,SC70-5

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Part Number	Devices per Package	VCC Range (V)	Icc Max (uA)	Features	Operating Temperature Range (°C)	Package
RS2G17	2	1.65~5.5	10	Single Schmitt-Trigger Buffer	-40 to 125	SOT23-6,SC70-6
RS6G17	6	1.65~5.5	10	Six Channel Non-inverting Buffer	-40 to 125	SOP14, TSSOP14
RS6GT17 *	6	2.0~5.5	10	Six Channel Non-inverting Buffer,TTL Input	-40 to 125	SOP14, TSSOP14
RS1G27	1	1.65~5.5	10	Single 3-Input Positive-NOR Gate	-40 to 125	SC70-6
RS1G32	1	1.65~5.5	10	Single Channel 2-input OR Gate	-40 to 125	SOT23-5,SC70-5
RS1G32-Q1	1	1.65~5.5	10	Single 2-Input Positive-OR Gate	-40 to 125	SOT23-5,SC70-5
RS1GT32	1	2.0~5.5	10	Single 2-Input Positive-OR Gate,TTL input	-40 to 125	SOT23-5,SC70-5
RS2G32	2	1.65~5.5	10	Dual Channel 2-input OR Gate	-40 to 125	MSOP8
RS4G32	4	1.65~5.5	10	Quad Channel 2-input OR Gate	-40 to 125	SOP14,TSSOP14
RS4G32-Q1	4	1.65~5.5	10	Quad Channel 2-input OR Gate	-40 to 125	SOP14,TSSOP14
RS4GT32	4	2.0~5.5	10	Quad Channel 2-input OR Gate,TTL input	-40 to 125	SOP14,TSSOP14
RS1G34	1	1.65~5.5	10	Single Buffer Gate	-40 to 125	SOT23-5,SC70-5
RS1GT34	1	2.0~5.5	10	Single Buffer Gate, TTL input	-40 to 125	SOT23-5,SC70-5
RS2G34	2	1.65~5.5	10	Dual Buffer Gate	-40 to 125	SOT23-6,SC70-6
RS3G34	3	1.65~5.5	10	Triple Buffer Gate	-40 to 125	MSOP-8,VSSOP-8
RS1G38	1	1.65~5.5	10	Single Channel 2-Input NAND Gate with Open-drain Output	-40 to 125	SOT23-5,SC70-5
RS1G57	1	1.65~5.5	10	Configurable Multiple-Function Gate	-40 to 125	SOT23-6,SC70-6
RS1G58	1	1.65~5.5	10	Configurable Multiple-Function Gate	-40 to 125	SOT23-6,SC70-6
RS1G74	1	1.65~5.5	10	Single Positive-Edge-Triggered D-Type Flip-Flop with Clear and Preset	-40 to 125	MSOP8,VSSOP8, DFN1.4X1-8
RS1G74-Q1	1	1.65~5.5	10	Single Positive-Edge-Triggered D-Type Flip-Flop with Clear and Preset	-40 to 125	VSSOP8
RS1G79	1	1.65~5.5	10	Single D-type flip-flop; positive-edge trigger	-40 to 125	SOT23-5,SC70-5
RS1G79-Q1	1	1.65~5.5	10	Single D-type flip-flop; positive-edge trigger	-40 to 125	SC70-5
RS1G86	1	1.65~5.5	10	Single Channel 2-input Exclusive-OR Gate	-40 to 125	SOT23-5,SC70-5
RS2G86	2	1.65~5.5	10	Dual Channel 2-input Exclusive-OR Gate	-40 to 125	MSOP8
RS4G86	4	1.65~5.5	10	Quad Channel 2-input Exclusive-OR Gate	-40 to 125	SOP14,TSSOP14
RS4GT86	4	2.0~5.5	10	Quad Channel 2-input Exclusive-OR Gate, TTL input	-40 to 125	SOP14,TSSOP14
RS1G97	1	1.65~5.5	10	Low Power Configurable Multiple-Function Gate	-40 to 125	SOT23-6,SC70-6
RS1G123 *	1	1.65~5.5	20	Single Retriggerable Monostable Multivibrator with Schmitt-Trigger Inputs, k=1	-40 to 125	VSSOP8
RS2G123 *	2	1.65~5.5	40	Dual Retriggerable Monostable Multivibrator with Schmitt-Trigger Inputs, k=1	-40 to 125	SOP16,TSSOP16
RS1G125	1	1.65~5.5	10	Single Active-Low Bus Buffer Gate With 3-State Output	-40 to 125	SOT23-5,SC70-5,DFN1X1-6
RS1G125-Q1	1	1.65~5.5	10	Single Active-Low Bus Buffer Gate With 3-State Output	-40 to 125	SC70-5

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Part Number	Devices per Package	VCC Range (V)	Icc Max (uA)	Features	Operating Temperature Range (°C)	Package
RS1GT125	1	2.0~5.5	10	Single Active-Low Bus Buffer Gate With 3-State Output,TTL input	-40 to 125	SOT23-5,SC70-5
RS2G125	2	1.65~5.5	10	Dual Active-Low Bus Buffer Gate With 3-State Output	-40 to 125	MSOP8
RS4G125	4	1.65~5.5	10	Quad Active-Low Bus Buffer Gate With 3-State Output	-40 to 125	SOP14,TSSOP14
RS4G125-Q1	4	1.65~5.5	10	Quad Active-Low Bus Buffer Gate With 3-State Output	-40 to 125	TSSOP14
RS4GT125	4	2.0~5.5	10	Quad Active-Low Bus Buffer Gate With 3-State Output,TTL input	-40 to 125	TSSOP14
RS1G126	1	1.65~5.5	10	Single Active-High Bus Buffer Gate With 3-State Output	-40 to 125	SOT23-5,SC70-5
RS1G126-Q1*	1	1.65~5.5	10	Single Active-High Bus Buffer Gate With 3-State Output	-40 to 125	SC70-5
RS1GT126	1	2.0~5.5	10	Single Active-High Bus Buffer Gate With 3-State Output,TTL input	-40 to 125	SOT23-5,SC70-5
RS2G126	2	1.65~5.5	10	Dual Active-High Bus Buffer Gate With 3-State Output	-40 to 125	MSOP8,TSSOP8
RS4G126	4	1.65~5.5	10	Quad Active-High Bus Buffer Gate With 3-State Output	-40 to 125	SOP14,TSSOP14
RS1G139	1	1.65~5.5	160	Single 2-Line to 4-Line Decoders/Demultiplexers	-40 to 125	VSSOP8
RS2G139	2	2.0~5.5	160	Dual 2-Line to 4-Line Decoders/Demultiplexers	-40 to 125	SOP16,TSSOP16
RS1G157	1	1.65~5.5	10	Single 2-Input Multiplexer	-40 to 125	SOT23-6,SC70-6
RS4G157	4	1.65~5.5	10	Quad 2-Input Multiplexer	-40 to 125	SOP16,TSSOP16
RS1G175	1	1.65~5.5	10	Single Positive-Edge-Triggered D-Type Flip-Flop with Clear	-40 to 125	SOT23-6,SC70-6
RS1G175-Q1	1	1.65~5.5	10	Single Positive-Edge-Triggered D-Type Flip-Flop with Clear	-40 to 125	SC70-6
RS1G240	1	1.65~5.5	10	Single Buffer/Driver With 3-State Output	-40 to 125	SC70-5
RS2G241	2	1.65~5.5	10	Dual Buffer and Driver With 3-State Outputs	-40 to 125	MSOP8,VSSOP8
RS1G332	1	1.65~5.5	10	Single 3-input OR gate	-40 to 125	SOT23-6,SC70-6
RS1G373	1	1.65~5.5	10	Single D-type transparent latch;3-state	-40 to 125	SOT23-6,SC70-6
RS1G373-Q1	1	1.65~5.5	10	Single D-type transparent latch;3-state	-40 to 125	SC70-6
RS1G386	1	1.65~5.5	10	Single 3-input Exclusive-OR Gate	-40 to 125	SOT23-6,SC70-6
RS138	1	2.0~5.5	160	3-Line To 8-Line Decoders/Demultiplexers	-40 to 125	SOP16,TSSOP16
RS138T	1	4.5~5.5	160	3-Line To 8-Line Decoders/Demultiplexers, TTL Input	-40 to 125	SOP16,TSSOP16
RS151	8	2.0~5.5	8	8-input multiplexer	-40 to 125	SOP16,TSSOP16
RS154	4	1.65~5.5	20	4-to-16 Line Decoder/Demultiplexer	-40 to 125	TSSOP24
RS164	8	1.65~5.5	8	8-bit serial-in, parallel-out shift register	-40 to 125	SOP14,TSSOP14
RS165	8	1.65~5.5	160	8-bit parallel-in, serial-out shift register	-40 to 125	SOP16,TSSOP16
RS175	4	1.65~5.5	80	Quadruple D-Type Flip-Flop with Clear	-40 to 125	SOP16,TSSOP16
RS238	1	2.0~5.5	16	3- to 8-Line Decoder/Demultiplexer	-40 to 125	SOP16,TSSOP16

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Part Number	Devices per Package	VCC Range (V)	Icc Max (uA)	Features	Operating Temperature Range (°C)	Package
RS240	8	1.65~5.5	5	Octal Buffers and Line Drivers With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS240T	8	4.5~5.5	40	TTL input voltage, Octal Buffers and Line Drivers With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS244S	8	1.65~5.5	5	Octal Buffer/Driver With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS244-Q1	8	1.65~5.5	50	Octal Buffer/Driver With 3-State Outputs for automobile	-40 to 125	TSSOP20
RS244T	8	4.5~5.5	40	TTL input voltage, Octal Buffer/Driver With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS245	8	1.65~5.5	5	Octal Bus Transceivers With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS245T	8	4.5~5.5	40	TTL input voltage,Octal Bus Transceivers With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS266	4	1.65~5.5	10	Quadruple 2-Input XNOR Gates with Open-Drain Outputs	-40 to 125	SOP14,TSSOP14
RS273	8	1.65~5.5	80	Octal D-Type Flip-Flops With Clear	-40 to 125	SOP20,TSSOP20
RS373	8	1.65~5.5	80	Octal Transparent D-Type Latches With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS4094	8	2.0~5.5	80	8-Stage Shift-And-Store Bus Register	-40 to 125	SOP16
RS4538	2	2.3~6.0	160	Dual Retriggerable Precision Monostable Multivibrator,k=0.65	-40 to 125	SOP16,TSSOP16
RS4538-Q1	2	2.3~6.0	160	Dual Retriggerable Precision Monostable Multivibrator,k=0.65	-40 to 125	TSSOP16
RS540	8	1.65~5.5	5	Octal Buffers and Line Drivers With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS540T	8	4.5~5.5	5	TTL input voltage,Octal Buffers and Line Drivers With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS541	8	1.65~5.5	5	Octal Buffers and Line Drivers With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS541T	8	4.5~5.5	40	TTL input voltage,Octal Buffers and Line Drivers With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS541T-Q1	8	4.5~5.5	40	TTL input voltage,Octal Buffers and Line Drivers With 3-State Outputs	-40 to 125	TSSOP20
RS573	8	4.5~5.5	80	Octal D-type transparent Latch with 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS574	8	2.0~5.5	40	Octal Edge-Triggered D-Type Flip-Flops With 3-State Outputs	-40 to 125	SOP20,TSSOP20
RS595S	1	2.0~5.5	160	8-Bit Shift Registers With 3-State Output	-40 to 125	SOP16,TSSOP16,QFN-2.5X3.5-16
RS595	1	2.0~5.5	160	8-Bit Shift Registers With 3-State Output with MSL1 package	-40 to 125	SOP16,TSSOP16
RS595-Q1*	1	1.65-5.5	160	8-Bit Shift Registers With 4-State Output	-40 to 125	SOP16,TSSOP16
RS595T	1	4.5~5.5	160	8-Bit Shift Registers With 3-State Output,TTL input	-40 to 125	SOP16,TSSOP16
RS7266	4	1.65~5.5	10	Quadruple 2-Input XNOR Gates with Schmitt-Trigger Inputs	-40 to 125	SOP14,TSSOP14
RS74HC74	2	1.65~5.5	10	Dual Positive-Edge-Triggered D-Type Flip-Flop with set and reset	-40 to 125	SOP14,TSSOP14
RS74HCT74	2	1.65-5.5	10	Dual Positive-Edge-Triggered D-Type Flip-Flop with set and reset	-40 to 125	SOP14,TSSOP14
RSH40106	6	3.0~15	20	Hex Inverting Schmitt trigger	-40 to 125	SOP14,TSSOP14
RSH4069U*	6	3.0~15	20	Hex unbuffered Inverter	-40 to 125	SOP14
RSH4093	4	3.0~15	20	Quad 2-input NAND Schmitt trigger	-40 to 125	SOP14

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电压基准源芯片
VOLTAGE REFERENCE

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并联电压基准源 | Shunt Voltage References

Part Number	VREF (V)	Voltage Tolerance	V_{KA} (V)	I_{REF} (Max,uA)	I_{KA} (Min, mA)	Temperature	Operating Temperature Range (°C)	Package
RS421	1.18	0.50%	1.25~36	1.2	0.3	50ppm/°C	-40 to 125	SOT23
RS422	1.18	0.50%	1.25~36	1.2	0.3	50ppm/°C	-40 to 125	SOT23
RS421V*	1.24	0.50%	1.25~36	1.2	0.3	50ppm/°C	-40 to 125	SOT23
RS422V*	1.24	0.50%	1.25~36	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
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

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	1.25,2.048,2.5,3.0,3.3,4.096	0.10%	20ppm/°C	10	150	35	-40 to 125	SOT23,SOP8
RS3112-Q1	1.25,2.048,2.5,3.0,3.3,4.096	0.10%	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
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

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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) (uA)	Dropout Voltage @IOUT=Full current/Vout=3.3V (mV)	PSRR @1kHz (dB)	Output current Noise (uVRMS)	VOUT (V)	Features	Operating Temperature Range (°C)	Package
RS3002	2.5~36	150	2.5	1200	54	—	1.8,3.0,3.3,3.6,5.0	Ultra-Low IQ,Enable Input	-40 to 85	SOT23-5,SOT23, SOT23-3,SOT89-3
RS3005	2.5~36	150	11	1300	63	—	3.0,3.3,3.6,4.4,5.0,12	Low IQ,Enable Input	-40 to 85	SOT89-3,SOT23-3, SOT23-5,SOT23,TO-92
RS3007	2.5~45	300	3	1005	77	100	3.0,3.3,5.0	Ultra-Low IQ,Enable Input	-40 to 85	SOT23-3,SOT23-5, SOT89-3,SOT-223,SOP8
RS3009*	4.5~70	100	25	250	—	—	3.3/5.0	Enable Input	-40 to 150	SOT23-3,SOT23-5,SOT223
RS3009-Q1*	4.5~70	100	25	250	—	—	3.3/5.0	AEC-Q100,Enable Input	-40 to 150	SOT23-3,SOT23-5,SOT223
RS3011-Q1*	4~40	300	2	300	—	—	Adj(1.8V~40)	AEC-Q100,Tracking LDO, Ultra-Low IQ,Enable Input	-40 to 125	ESOP8
RS3012*	3~40	200	3	650	58	120	2.5/3.3/5.0	Ultra-Low IQ	-40 to 125	SOT23-3,SOT23-5, SOT89-3,SOT-223
RS3012-Q1*	3~40	200	3	650	58	120	2.5/3.3/5.0	AEC-Q100,Ultra-Low IQ	-40 to 125	SOT23-5,SOT89-3,SOT-223
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 125	SOT23-3,SOT23-5, SOT89-3,SOT-223
RS3015-Q1*	3~45	300	3	1150	58	120	1.8/2.5/3.0/3.3/5.0	AEC-Q100,Ultra-Low IQ,Enable Input	-40 to 125	SOT23-5,SOT89-5, SOT-223,DFN2X2-6,ESOP8
RS73xx-1	2.5~45	300	3	1005	77	100	3.0,3.3,3.6,5.0	Ultra-Low IQ	-40 to 85	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 85	SOT23-3,SOT89-3
RS75xx-2H*	2.5~36	250	2	1200	70	—	1.8/2.5/3.0/3.3/3.6/4.1/4.4/5.0/9.0/12/ADJ	Ultra-Low IQ	-40 to 85	SOT23-3,SOT23-5,SOT89-3, SOT89-5,DFN1.6*1.6-6
RS3212*	1.6~6.0	300	35	330	70	—	1.2/1.5/1.8/2.5/2.8/3.0/3.3/3.6/5.0	Fast Response	-40 to 85	SOT23-5,XDFN1X1-4
RS3215	2.7~6.5	500	45	280	64	11xVOUT	1.2,1.5,1.8,2.5,2.7,2.8,3.0,3.3	Fast Start-Up,Fast Response, High Output Accuracy: ±0.75%	-40 to 125	SOT23-5,DFN3X3-8,DFN2X2-6
RS3215-Q1	2.7~6.5	500	45	280	64	11xVOUT	1.8,3.3	AEC-Q100,Fast Start-Up, Fast Response,High Output Accuracy: ±0.75%	-40 to 125	SOT23-5
RS3217	1.9~5.5	500	16	200	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	16	200	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
RS3219	2.5~7.5	300	120	280	55	38	l.2,1.5,1.8,2.5,2.8,3.0,3.3	Fast Response	-40 to 85	SOT23-3,SOT23-5,XDFN1X1-4
RS3221	2.5~7.5	200	1	155	34	170	0.8,1.0,1.2,1.5,1.8,2.05,2.5,2.8,3.0,3.3,3.6,4.0,5.0	Ultra-Low IQ	-40 to 85	SOT23-3,XDFN1X1-4, SOT23-5,SC70-5,SOT89-3

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Part Number	Input Voltage Range (V)	Output Current (mA)	Ground Current (No Load) (uA)	Dropout Voltage @IOUT=Full current/Vout=3.3V (mV)	PSRR @1kHz (dB)	Output current Noise (uVRMS)	VOUT (V)	Features	Operating Temperature 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 85	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 85	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 85	ESOP8,DFN3X3-10
RS3236	2.5~7.5	500	30	450	70	68	0.8,1.0,1.2,1.5,1.8,2.05,2.5,2.8,3.0,3.3,3.6,4.0,5.0,Adj	Low Dropout	-40 to 85	XDFN1X1-4,SOT23-5, SC70-5,SOT23-3,SOT89-3

DC-DC | DC-DC

Part Number	DC-DC Topology	Switch Current Limit (mA)	Quiescent Current (uA)	Input Voltage Range (V)	Efficiency Max	Output Voltage	Switching Frequency (MHz)	Shutdown Current (uA)	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	Quiescent Current (uA)	Input Voltage Range (V)	Enable Logic	Shutdown Current (uA)	Current Limit (A)	Soft-Start	Fault Flag	Features	Package
RS2580	30	0.8~5.5	High	0.01	6.0	Yes	NO		DFN2X2-8
RS2582	27	2.5~5.5	High	0.1	0.4~2.7 Adj	Yes	NO		SOT23-5
RS2583	27	2.5~5.5	High	0.1	0.4~2.7 Adj	Yes	Yes		SOT23-6
RS2587	11	1.6~4.2	High	0.01	1.5	Yes	NO	Reverse-Current Blocking,Quick Output Discharge Pin	SC70-6
RS2588	30	2.5~5.5	High	0.1	1.1/2.1/2.6	Yes	Yes		SOT23-5
RS2599	100	2.5~5.5	High	0.1	0.4~3.0 Adj	Yes	Yes	OCP Accuracy: ±7%	DFN3X3-8

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过压保护 | OVP

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Part Number	Quiescent Current (uA)	Input Voltage Range (V)	VIN OVP (V)	VB OVP (V)	Shutdown Current (uA)	Current Limit (A)	Soft-Start	Fault Flag	Package
RS2601	400	3~40	5.85	4.35	85	1	Yes	Yes	DFN2X2-8
RS2604	125	4.5~40	ADJ	—	10	0.35~2	Yes	Yes	UDFN2X3-8

电压检测和复位 | Supervisor&Reset ICs

Part Number	Quiescent Current (uA)	Manual Reset	Vcc (V)	Detect Threshold	Watchdog Timer	Vcc to Reset Delay (us)	Reset Active Timeout Period (ms)	Reset Output	Package
RS706	20	Yes	1.2~5.5	2.63,2.93,3.08,4.0,4.65	1.6s	33	200	Low	SOP8
RS706-Q1	20	Yes	1.2~5.5	2.93	1.6s	33	200	Low	SOP8
RS802 *	20	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 *	20	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
RS806-Q1	20	Yes	1.2~5.5	3.08	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 (nA)	Vcc (V)	VM (V)	PWM Frequency	Operating Current (uA)	Operating Temperature Range (°C)	Package
RS8837	Brushed DC Motor	1.8	35	2.5~7	12	0~250 kHz	510	-40°C~85°C	SOP8,DFN2X2-8

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电荷泵 | Charge Pump

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Part Number	Function	Output Current Max (mA)	Quiescent Current (uA)	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	Channel	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	1	0.87	2.7~20	30	1.65	1150	-40°C~85°C	SOT23-6
RS3752*	Boost, White LED Driver	1	0.3	2.7~5.5	38	1.8	1200	-40°C~85°C	SOT23-6
RS3700-Q1*	High-Side LED Driver, Thermal Sharing, AEC-Q100	1	0.4	4.5~40	/	0.5	/	-40°C~125°C	HMSOP-8
RS3702-Q1*	High-Side LED Driver, Thermal Sharing, AEC-Q100	3	0.4	4.5~40	/	0.15	/	-40°C~125°C	ETSSOP16
RS3703-Q1*	High-Side LED Driver, Thermal Sharing, AEC-Q100	3	1.4	4.5~40	/	0.15	/	-40°C~125°C	ETSSOP20

锂电池充电管理 | Battery Charger

Part Number	Function	Quiescent Current (uA)	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

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