

让 润 石 芯 跳 动 在 电 子 产 品 世 界 的 每 个 角 落

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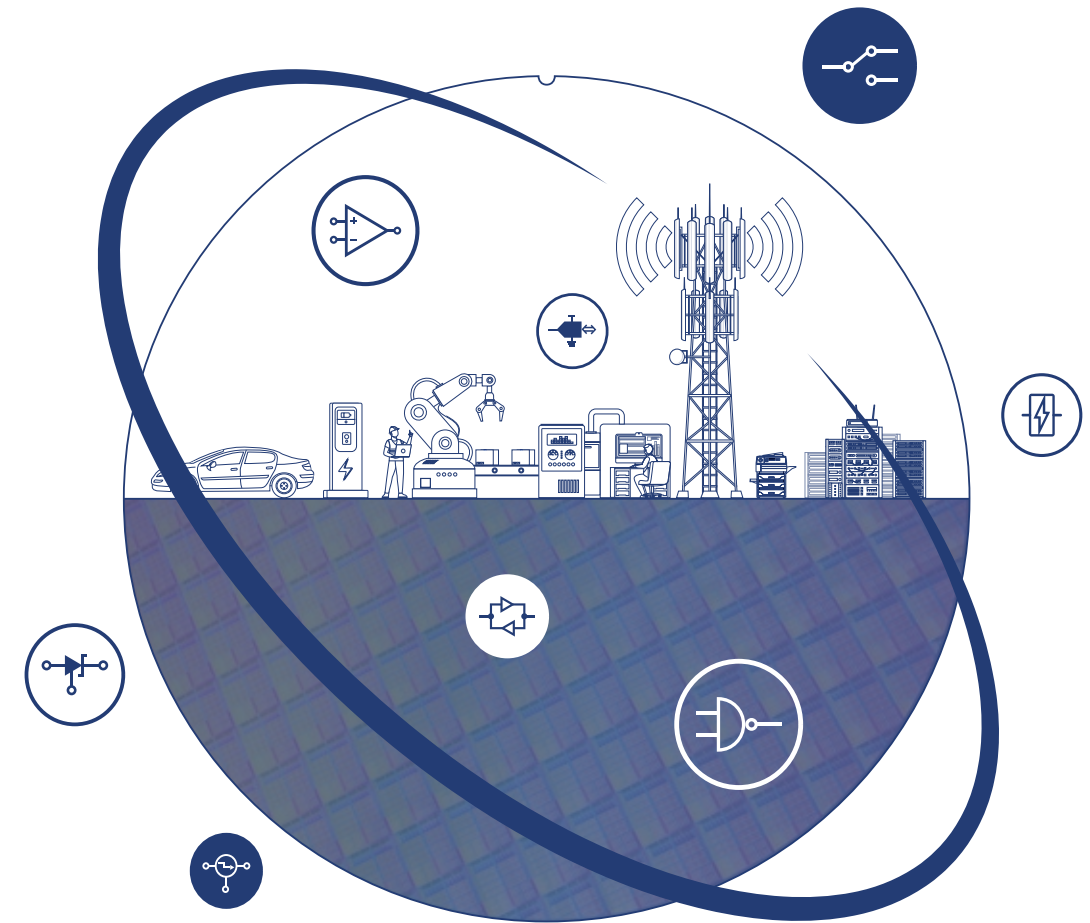
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产品选型手册

PRODUCT SELECTION GUIDE

—
2023.06

— 专注模拟技术 —

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！

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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(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
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	SOIC-8,MSOP-8,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	SOIC-8,MSOP-8,TDFN2X2-8L
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	SOIC-14,TSSOP-14
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	SOIC-8,MSOP-8,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	SOIC-8,MSOP-8,TDFN2X2-8L
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	SOIC-14,TSSOP-14
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	SOIC-8,MSOP-8,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	SOIC-8,MSOP-8,TDFN2X2-8L
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	SOIC-14,TSSOP-14
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	SOIC-8,MSOP-8,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	SOIC-8,MSOP-8
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	SOIC-8,MSOP-8,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	SOIC-8,MSOP-8,TDFN2X2-8L
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	SOIC-14,TSSOP-14
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	SOIC-8,MSOP-8,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	SOIC-8,MSOP-8
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	SOIC-14,TSSOP-14
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	SOIC-8,MSOP-8,SOT23-5

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
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	SOIC-8,MSOP-8
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	SOIC-14,TSSOP-14
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	SOIC-8
RS8622	2	400	5	10	4.3	14	5~32	2	1.2	1000	150	115	Out	EMI Hardened	-40 to 125	SOIC-8,MSOP-8
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	SOIC-8,MSOP-8
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	SOIC-8,MSOP-8
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	SOIC-14,TSSOP-14
RS8651	1	50	0.1	100	0.6	30	3.3~32	2	1	900	130	120	Out	EMI Hardened	-40 to 85	SOIC-8,MSOP-8
RS8652	2	50	0.15	100	0.6	30	3.3~32	2	1	900	130	120	Out	EMI Hardened	-40 to 125	SOIC-8,MSOP-8
RS8654	4	50	0.15	100	0.6	30	3.3~32	2	1	1000	130	120	Out	EMI Hardened	-40 to 125	SOIC-14,TSSOP-14
RS8661 *	1	10	0.15	50	0.18	10	4.5~36	5	1.8	1300	130	130	Out	EMI Hardened	-40 to 125	SOIC-8,MSOP-8
RS8662 *	2	10	0.15	50	0.18	10	4.5~36	5	1.8	1300	130	130	Out	EMI Hardened	-40 to 125	SOIC-8,MSOP-8
RS8664 *	4	10	0.15	50	0.18	10	4.5~36	5	1.8	1300	130	130	Out	EMI Hardened	-40 to 125	SOIC-14,TSSOP-14
RS07 *	1	150	3	1000	4	20	5.0~36	1.9	1	1000	150	120	Out	CL Hardened	-40 to 125	SOIC-8

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
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	SOIC-8,MSOP-8
RS8702	4	50	7	2.2	5.5	0.2	40	In,Out	1.6	4.4	50	124	100	Zero-Crossover	-40 to 125	SOIC-14
RS8751	1	250	2.9	2.5	5.5	7.5	180	Out	4	8	1	110	85	—	-40 to 125	SOT23-5,SOIC-8
RS8752	2	250	2.9	2.5	5.5	7.5	180	Out	4	8	1	110	85	—	-40 to 125	SOIC-8,MSOP-8,TSSOP-8
RS8754	4	250	2.9	2.5	5.5	7.5	180	Out	4	8	1	110	85	—	-40 to 125	SOIC-14,TSSOP-14
RS8761 *	1	500	8.2	2.5	5.5	8	420	Out	4	5.6	6	110	85	—	-40 to 125	SOT23-5,SOIC-8
RS8762 *	2	500	8.2	2.5	5.5	8	420	Out	4	5.6	6	110	85	—	-40 to 125	SOIC-8,MSOP-8
RS8764 *	4	500	8.2	2.5	5.5	8	420	Out	4	5.6	6	110	85	—	-40 to 125	SOIC-14,TSSOP-14

* 产品研发中

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
RS121	1	5	12	2.5	5.5	0.15	0.05	In,Out	3.1	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	3.1	77	1	110	95	—	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS124	4	5	12	2.5	5.5	0.15	0.05	In,Out	3.1	77	1	110	95	—	-40 to 125	SOIC-14,TSSOP-14
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	SOIC-8,MSOP-8,TDFN2X2-8L
RS224	4	3.5	26	2.5	5.5	0.5	0.18	In,Out	2.9	30	1	110	90	—	-40 to 125	SOIC-14,TSSOP-14
RS321	1	4.5	60	2.2	5.5	1.1	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	SOIC-8,MSOP-8,TDFN2X2-8L
RS324	4	4.5	60	2.2	5.5	1.1	0.5	In,Out	2.9	23	1	100	80	—	-40 to 125	SOIC-14,TSSOP-14
RS6331	1	3	58	2.2	5.5	1.1	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
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
RS6332	2	3	58	2.2	5.5	1.1	0.5	In,Out	2	22	1	110	90	—	-40 to 125	SOIC-8,MSOP-8,TSSOP-8
RS6332P	2	0.5	85	2.1	5.5	1.1	0.5	In,Out	2	22	10	120	95	—	-40 to 125	SOIC-8,MSOP-8
RS6332S	2	3	58	2.2	5.5	1.1	0.5	In,Out	2	22	1	110	90	Shutdown	-40 to 125	MSOP-10
RS6334	4	3	58	2.2	5.5	1.1	0.5	In,Out	2	22	1	110	90	—	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L
RS6334P	2	0.8	85	2.1	5.5	1.1	0.5	In,Out	2	22	10	120	95	—	-40 to 125	SOIC-14,TSSOP-14
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	SOIC-8,MSOP-8
RS8404 *	4	3.0	20	3.0	36	0.23	0.11	Out	3	45	10	110	110	—	-40 to 125	SOIC-14,TSSOP-14
RS8411	1	4.0	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOT-23-5
RS8411BP	1	1.5	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOT-23-5
RS8412	2	4.0	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOIC-8,MSOP-8
RS8412-Q1	2	2.0	150	3.0	32	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOIC-8,MSOP-8
RS8412P	2	1.5	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOIC-8,MSOP-8
RS8414	4	4.0	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOIC-14,TSSOP-14
RS8414P	4	1.5	150	3.0	36	1.2	0.67	Out	3	45	10	115	110	—	-40 to 125	SOIC-14,TSSOP-14
RS8422	2	3.0	1800	4.4	36	5.0	3.0	Out	5.0	44	10	100	110	—	-40 to 125	SOIC-8,MSOP-8
RS8422P	2	1.5	1800	4.4	36	5.0	3.0	Out	5.0	44	10	100	110	—	-40 to 125	SOIC-8,MSOP-8

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
RS8424	4	3.0	1800	4.4	36	5.0	3.0	Out	5	44	10	100	110	—	-40 to 125	SOIC-14,TSSOP-14
RS8452	2	3.0	2750	5.0	36	8.0	5.0	Out	5	35	10	100	110	—	-40 to 125	SOIC-8,MSOP-8
RS8452-Q1	2	2.3	2750	5.0	32	8.0	5.0	Out	5	35	10	100	110	—	-40 to 125	SOIC-8,MSOP-8
RS8452P	2	1.5	2750	5.0	36	8.0	5.0	Out	5	35	10	100	110	—	-40 to 125	SOIC-8,MSOP-8
RS8454-Q1	4	2.3	2750	5.0	32	8.0	5.0	Out	5	35	10	100	110	—	-40 to 125	SOIC-14,TSSOP-14
RS8454P	4	1.5	2750	5.0	36	8.0	5.0	Out	5	35	10	100	110	—	-40 to 125	SOIC-14,TSSOP-14
RS8461P	1	1.0	2200	4.5	32	10.0	24.0	Out	3.4	40	10	124	110	—	-40 to 125	SOT23-5
RS8462P	2	1.0	2200	4.5	32	10.0	24.0	Out	3.4	40	10	124	110	—	-40 to 125	SOIC-8,MSOP-8
RS8464P	4	1.0	2200	4.5	32	10.0	24.0	Out	3.4	40	10	124	110	—	-40 to 125	SOIC-14,TSSOP-14

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	SOIC-8,MSOP-8
RS524	4	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOIC-14,TSSOP-14
RS621	1	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOT23-5,SC70-5
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	SOIC-8,MSOP-8,TSSOP8 TDFN2X2-8L, TDFN3X3-8L
RS622P	2	11	7	3.7	720	2.5	5.5	In,Out	0.5	2	1	110	96	—	-40 to 125	SOIC-8,MSOP-8
RS624	4	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOIC-14,TSSOP-14 TDFN3X2-14L,TQFN3X3-16L
RS624P	4	11	7	3.7	720	2.5	5.5	In,Out	0.5	2	1	110	96	—	-40 to 125	SOIC-14,TSSOP-14
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,TDFN2X2-6L
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	SOIC-8,MSOP-8,TDFN2X2-8L, TDFN3X3-8L
RS722P	2	9.5	10	6	1100	2.5	5.5	In,Out	0.5	2.6	1	110	97	—	-40 to 125	SOIC-8,MSOP-8
RS722P-Q1	2	—	13	8	1150	2.7	5.5	In,Out	1.5	2.6	1	127	90	—	-40 to 125	SOIC-8,MSOP-8,

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
RS724	4	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOIC-14,TSSOP-14
RS724P	4	9.5	10	6	1100	2.5	5.5	In,Out	0.8	2.6	1	110	97	—	-40 to 125	SOIC-14,TSSOP-14
RS724-Q1	4	—	13	8	1150	2.7	5.5	In,Out	3	2.6	1	127	90	—	-40 to 125	SOIC-14,TSSOP-14,QFN3x3-16L
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	SOIC-8,MSOP-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	MSOP-10
RS824	4	8.5	14	10	1900	2.5	5.5	In,Out	2.5	1.6	1	100	88	—	-40 to 125	SOIC-14,TSSOP-14

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	SOIC-8,MSOP-8
RS8034	4	0.8	1.4	5.5	15	7.5	160	4	2.3	1	106	90	Yes	—	-40 to 125	SOIC-14,TSSOP-14
RS8051	1	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	—	-40 to 125	SOT23-5
RS8052	2	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	—	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8054	4	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	—	-40 to 125	SOIC-14,TSSOP-14

仪表放大器 | Instrumentation Amplifier

Part Number	Common Mode Voltage (Max) (V)	Common Mode Voltage (Min) (V)	Input Offset (+/-)(Max) (uV)	Input Offset Drift (+/-)(Typ) (uV/C)	Gain (V/V)	Gain Error (%)	CMRR (Min) (dB)	Bandwidth at min Gain (kHz)	Supply Voltage (Max) (V)	Supply Voltage (Min) (V)	Iq (Max) (mA)	Operating Temperature Range (°C)	Package
RS199	26	0	350	2	50,100,200	0.4	85	25	26	2.7	0.1	-40 to 125	SC70-6
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, SC70-6
RS240 *	80	-4	25	0.5	20, 50, 100, 200	0.2	120	400	5.5	2.7	2.6	-40 to 125	SOIC-8
RS620 *	36	3	150	2	1,10,100,1000	0.15	120	800	36	2.7	0.2	-40 to 125	SOIC-8
RS621 *	36	3	150	2	10100	0.15	120	800	36	2.7	0.2	-40 to 125	SOIC-8
RS633	5.6	-0.1	25	1.5	1,2,4,5,10,20,50,100	0.15	95	150	5.5	2.3	0.115	-40 to 125	MSOP-8,DFN3x3-8L

微功耗比较器 | Nano Power Comparator

Part Number	Number of Channels (#)	Iq per channel (Typ) (nA)	Feature	Vcc (V)	Vos (Offset Voltage @ 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	SOIC-8,MSOP-8
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, DFN1.6*1.6-6L

高速比较器 | High Speed Comparator

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	-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	SOIC-8,MSOP-8
RS8911*	1	150	-0.1~Vs-1.2	2.7~5.5	5	30	22	11	8	Push-Pull	-40 to 125	SOT23-5
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	SOIC-8,MSOP-8
RS393-Q1	2	50	-0.1~Vs+0.1	1.8~5.5	3.5	185	700	—	42	Open-Drain(NFET)	-40 to 125	SOIC-8,MSOP-8
RS339	4	50	-0.1~Vs+0.1	1.8~5.5	3.5	185	700	—	42	Open-Drain(NFET)	-40 to 125	SOIC-14,TSSOP-14
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	SOIC-8
LM2903	2	55	-0.1~ Vs-1.5	3.3~32	3.5	500	1600	—	/	Open-Drain(NFET)	-40 to 125	SOIC-8,MSOP-8
LM2903-Q1	2	55	-0.1~ Vs-1.5	3.3~32	4.5	500	1600	—	/	Open-Drain	-40 to 125	SOIC-8,MSOP-8
LM2901	4	45	-0.1~ Vs-1.5	3.3~32	4.5	400	800	—	/	Open-Drain(NFET)	-40 to 125	SOIC-14,TSSOP-14
LM2901-Q1	4	45	-0.1~ Vs-1.5	3.3~32	4.5	400	800	—	/	Open-Drain	-40 to 125	SOIC-14,TSSOP-14

模拟开关

ANALOG SWITCHES

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)	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
RS2057	1	1:2	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40 to 125	SOT363(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	MSOP-10,QFN-1.4X1.8-10L
RS2099	4	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	QFN3X3-16L,TSSOP-16
RS2101	1	1:2	3.0	120	1.8	5.5	1	1.5	0.6	29	17	-40 to 125	SOT363(SC70-6)
RS2102	2	1:2	3.0	120	1.8	5.5	1	1.5	0.6	29	17	-40 to 125	MSOP-10
RS2103	1	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	SOT363(SC70-6),SOT23-6,MSOP-8
RS2105	2	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	MSOP-10,TDFN-3X3-10L
RS2117H	2	1:2	4	400	2.5	5.5	1	1.5	0.5	15	10	-40 to 85	QFN-1.4X1.8-10L,MSOP-10
RS2118	2	1:2	0.8	80	2.5	5.5	1	1.5	0.5	15	10	-40 to 85	QFN-1.4X1.8-10L
RS2166	1	1:1	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40 to 125	SOT23-5, SOT353(SC70-5)
RS2227	2	1:2	6	550	1.8	5.5	1	1.6	0.5	20	15	-40 to 85	MSOP-10,QFN-1.4X1.8-10L
RS2228	2	1:2	6	550	1.8	5.5	1	1.6	0.5	20	15	-40 to 85	QFN-1.4X1.8-10L,MSOP-10
RS2233	4	1:2	3.0	220	1.8	5.5	1	2.0	0.5	30	13	-40 to 125	TSSOP-16, SOIC16,SSOP16
RS2233-Q1	4	1:2	3.0	220	1.8	5.5	1	2.0	0.5	30	13	-40 to 125	TSSOP-16
RS2251	1	1:8	48	180	2.5	5.5	3	1.7	0.5	65	80	-40 to 125	SOIC-16,TSSOP-16,QFN-3X3-16L
RS2251-Q1	1	1:8	48	180	2.5	5.5	3	1.7	0.5	65	150	-40 to 125	TSSOP-16
RS2252	2	1:4	48	180	2.5	5.5	1	1.7	0.5	70	80	-40 to 125	SOIC-16,SSOP-16,TSSOP-16, QFN-3X3-16L
RS2253	3	1:2	48	180	2.5	5.5	1	1.7	0.5	90	70	-40 to 125	SOIC-16,SSOP-16,TSSOP-16, QFN-3X3-16L
RS2254	4	1:1	24	180	2.5	5.5	1	1.7	0.5	90	70	-40 to 125	TSSOP-14,SOIC-14

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)	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
RS2255	1	1:4	24	180	2.5	5.5	1	1.7	0.5	90	70	-40 to 125	MSOP-10
RS2257	1	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	SOT363(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	TSSOP-16
RS2259B	4	1:1	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	TSSOP-16
RS2260	1	1:8	105	180	2.0	6.0	2	3.5	1.5	14.5	121.5	-40 to 125	TSSOP-16,QFN2.5x3.5-16L
RS2266	2	1:1	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40 to 125	DFN2x3-8, MSOP-8
RS2268	4	1:1	4.5	300	1.8	5.5	4	1.5	0.6	30	25	-40 to 125	TSSOP-14, SSOP-16
RS2299	4	1:2	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40 to 125	QFN-3X3-16L
RS2323	2	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	QFN-1.4X1.8-10L

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*V _{CC}	0.2*V _{CC}	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,DFN3x3-8L

线性稳压器

LINEAR REGULATOR

线性稳压器 | Linear Regulator

Part Number	V _{IN} MIN (V)	V _{IN} MAX (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)	V _{OUT} (V)	Operating Temperature Range (°C)	Package
RS3002	2.5	36	150	2.5	1200	54	—	1.8,3.0,3.3,3.6,5.0	-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	-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	-40 to 85	SOT23-3,SOT23-5,SOT89-3L,SOT223,SOIC-8
RS73xx-1	2.5	45	300	3	1005	77	100	3.0,3.3,3.6,5.0	-40 to 85	SOT23-3,SOT89-3L
RS75xx-1	2.5	36	150	2	780	40	—	2.5,3.0,3.3,3.6,5.0	-40 to 85	SOT23-3,SOT89-3
RS3219	1.7	7.5	300	120	280	55	38	1.2,1.5,1.8,2.5,2.8,3.0,3.3	-40 to 85	SOT23-3,SOT23-5,UTDFN1×1-4
RS3221	1.7	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	-40 to 85	SOT23-3,UTDFN1×1-4,SOT23-5, SCT0-5,SOT89-3
RS3235	1.2	5.5	3000	105	220@VOUT=1.8V	60	—	Adj(0.8V~Vin-Vdrop)	-40 to 85	ESOP8,DFN3X3-10L
RS3236	1.7	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	-40 to 85	UTDFN1×1-4,SOT23-5,SC70-5, SOT23-3,SOT89-3
RS3237*	2.5	5.5	250	20	210	90	15	1.2,1.8,2.5,2.8,3.0,3.3	-40 to 85	SOT23-5,UTDFN1×1-4
RS3238*	2.5	5.5	1000	90	280	75	50	1.8,3.0,3.3,Adj	-40 to 85	DFN 1.2X1.6-8L,DFN 3X3-8L
RS3239*	2.5	5.5	2000	500	500	70	80	1.8,3.0,3.3,Adj	-40 to 85	SOIC-8,DFN 3X3-8L

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	Multi-Channel Configuration	Integrated Features	Interface	Analog Voltage AVDD (Min) (V)	Analog Voltage AVDD (Max) (V)	Operating Temperature Range (°C)	Description	Package
RS1472	SAR	14	1M	2	Multiplexed	Two Differential Inputs	SPI	2.7	5.25	-40 to 125	14 Bit Differential Analog-to-Digital Converter	QFN3x3-16L
RS1461	SAR	12	1M	1	N/A	1-Ch Single-ended inputs	SPI	2.7	5.25	-40 to 125	12-Bit ,1MSPS ,1-Ch SAR ADC	SOT23-6
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	QFN3x3-16L
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 125	8-Bit, 100MSPS ,2-Ch SAR ADC	LQFP48
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

逻辑 & 转换

LOGIC & TRANSLATION

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 (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,DFN1.45*1.0-6L
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,DFN2x3-8L,DFN-1.4x1-8L,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	TSSOP-14,QFN2x2-12L,QFN2x1.7-12L,QFN3.5x3.5-14L
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	TSSOP-14,QFN2x1.7-12L
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,QFN3x3-20L
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	DFN2x3-8L,MSOP-8
RS0204	4	100	1.2~3.6	1.65~5.5	Bidirectional	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	TSSOP-14,QFN1.7x2-12L,QFN3.5x3.5-14L
RS0208	8	100	1.2~3.6	1.65~5.5	Bidirectional	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	TSSOP20,QFN3x3-20L
RS0302	2	100	1.0~5.5	1.8~5.5	Bidirectional	Hi-Z	/	5	Open-Drain	I2C & SMBus Level Shifter	SOT23-8,DFN1.4x1.0-8L
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	VSSOP-8,MSOP-8
RS2T45-Q1	2	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	4	/	Push-Pull	GPIO Level Shifter	VSSOP-8
RS2T245	2	200	0.9~3.6	0.9~3.6	Configurable	Hi-Z	30	1	Push-Pull	GPIO Level Shifter	QFN1.4x1.8-10L
RS4T245	4	200	1.65~5.5	1.65~5.5	YeConfigurables	Hi-Z	20	1	Push-Pull	GPIO Level Shifter	TSSOP-16,QFN2.5x3.5-16L
RS4T245-Q1	4	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	20	/	Push-Pull	GPIO Level Shifter	QFN2.5x3.5-16L
RS4T774	4	200	0.9~3.6	0.9~3.6	Configurable	Hi-Z	30	1	Push-Pull	GPIO Level Shifter	TSSOP-16,QFN2.5x3.5-16L,QFN2.6x1.8-16L
RS8T245	8	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	25	1	Push-Pull	GPIO Level Shifter	TSSOP-24,SOIC-24
RS8T245-Q1	8	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	25	/	Push-Pull	GPIO Level Shifter	TSSOP-24
RS16T245A	16	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	80	10	Push-Pull	GPIO Level Shifter	TSSOP-48

逻辑 | Logic Series

Part Number	Translators per Package	VCC Range (V)	Icc Max (uA)	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
RS2G00	2	1.65~5.5	10	Dual Channel 2-Input NAND Gate	-40 to 125	MSOP-8
RS4G00	4	1.65~5.5	10	Quad Channel 2-Input NAND Gate	-40 to 125	SOIC-14,TSSOP-14
RS1G02 *	1	1.65~5.5	10	Single Channel 2-Input Positive NOR-Gate	-40 to 125	SOT23-5,SC70-5
RS2G02 *	2	1.65~5.5	10	Dual Channel 2-Input Positive NOR-Gate	-40 to 125	MSOP-8,VSSOP-8
RS4G02 *	4	1.65~5.5	10	Quad Channel 2-Input Positive NOR-Gate	-40 to 125	SOIC-14,TSSOP-14
RS1G04	1	1.65~5.5	10	Single Channel Inverter	-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	MSOP-8,DFN1.4x1.0-8L
RS6G04	6	1.65~5.5	10	Hex Channel Inverter	-40 to 125	SOIC-14,TSSOP-14
RS1G06	1	1.65~5.5	10	Single Channel Inverter with open drain output	-40 to 125	SOT23-5,SC70-5
RS1G07	1	1.65~5.5	10	Single Channel Non-inverting Buffer with Open-drain Output	-40 to 125	SOT23-5,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	Hex Channel Non-inverting Buffer with Open-drain Output	-40 to 125	SOIC-14,TSSOP-14
RS1G08	1	1.65~5.5	10	Single Channel 2-Input AND Gate	-40 to 125	SOT23-5,SC70-5
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
RS2G08	2	1.65~5.5	10	Dual Channel 2-Input AND Gate	-40 to 125	MSOP-8
RS2GT08	2	2.0~5.5	10	Dual 2-Input Positive-AND Gate, TTL input	-40 to 125	MSOP-8,VSSOP-8
RS4G08	4	1.65~5.5	10	Quad Channel 2-Input AND Gate	-40 to 125	SOIC-14, TSSOP-14
RS4GT08	4	2.0~5.5	10	Quad Channel 2-Input AND Gate,TTL Input	-40 to 125	SOIC-14, TSSOP-14
RS1G09	1	1.65~5.5	10	Single Channel 2-Input AND Gate with open-drain output	-40 to 125	SOT23-5,SC70-5
RS1G11	1	1.65~5.5	10	Single 3-Input Positive-AND Gate	-40 to 125	SOT23-5,SC70-5
RS3G11	3	1.65~5.5	10	Triple 3-Input Positive-AND Gate	-40 to 125	SOP-14,TSSOP-14
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
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	SOIC-14,TSSOP-14
RS6G14	6	1.65~5.5	10	Hex Channel Schmitt-Trigger Inverter	-40 to 125	SOIC-14, TSSOP-14
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
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	Hex Channel Non-inverting Buffer	-40 to 125	SOIC-14, TSSOP-14

逻辑 | Logic Series

Part Number	Translators per Package	VCC Range (V)	Icc Max (uA)	Features	Operating Temperature Range (°C)	Package
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	MSOP-8
RS4G32	4	1.65~5.5	10	Quad Channel 2-input OR Gate	-40 to 125	SOIC-14,TSSOP-14
RS4GT32*	1	2.0~5.5	10	Quad Channel 2-input OR Gate,TTL input	-40 to 125	SOIC-14, TSSOP-14
RS1G34	1	1.65~5.5	10	Single Buffer Gate	-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
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	MSOP-8
RS4G86*	4	1.65~5.5	10	Quad Channel 2-input Exclusive-OR Gate	-40 to 125	SOIC-14, TSSOP-14
RS1G74	1	1.65~5.5	10	Single Positive-Edge-Triggered D-Type Flip-Flop with Clear and Preset	-40 to 125	MSOP-8,VSSOP-8, QFN1.4x1.0-8L
RS1G97	1	1.65~5.5	10	Low Power Configurable Multiple-Function Gate	-40 to 125	SOT23-6,SC70-6
RS1G125	1	1.65~5.5	10	Single Active-Low Bus Buffer Gate With 3-State Output	-40 to 125	SOT23-5,SC70-5
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	MSOP-8
RS4G125	4	1.65~5.5	10	Quad Active-Low Bus Buffer Gate With 3-State Output	-40 to 125	SOIC-14,TSSOP-14
RS4GT125*	4	2.0~5.5	10	Quad Active-Low Bus Buffer Gate With 3-State Output,TTL input	-40 to 125	SOIC-14,TSSOP-14
RS1G126	1	1.65~5.5	10	Single Active-High Bus Buffer Gate With 3-State Output	-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	MSOP-8,TSSOP8
RS4G126	4	1.65~5.5	10	Quad Active-High Bus Buffer Gate With 3-State Output	-40 to 125	SOIC-14,TSSOP-14
RS1G175	1	1.65~5.5	10	Single Positive-Edge-Triggered D-Type Flip-Flop with Clear	-40 to 125	SOT23-6,SC70-6
RS138	1	2~5.5	10	3-Line To 8-Line Decoders/Demultiplexers	-40 to 125	SOIC-16,TSSOP16
RS138T	1	4.5~5.5	10	3-Line To 8-Line Decoders/Demultiplexers, TTL Input	-40 to 125	SOIC-16,TSSOP16
RS244	8	1.65~5.5	5	Octal Buffer/Driver With 3-State Outputs	-40 to 125	TSSOP-20,SOIC-20
RS244-Q1	8	1.65~5.5	5	Octal Buffer/Driver With 3-State Outputs for automobile	-40 to 125	TSSOP-20
RS244T	8	4.5~5.5	5	TTL input voltage, Octal Buffer/Driver With 3-State Outputs	-40 to 125	TSSOP-20,SOIC-20
RS245	8	1.65~5.5	5	Octal Bus Transceivers With 3-State Outputs	-40 to 125	TSSOP-20,SOIC-20
RS245T*	8	2.0~5.5	5	TTL input voltage,Octal Bus Transceivers With 3-State Outputs	-40 to 125	TSSOP-20,SOIC-20
RS595S	1	2.0~5.5	160	8-Bit Shift Registers With 3-State Output	-40 to 125	SOIC-16,TSSOP-16,QFN-2.5x3.5-16L
RS595-Q1*	1	1.65~5.5	160	8-Bit Shift Registers With 4-State Output	-40 to 125	SOIC-16,TSSOP-16
RS595T	1	4.5~5.5	160	8-Bit Shift Registers With 3-State Output,TTL input	-40 to 125	SOIC-16,TSSOP-16

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,uA)	IKA (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
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
RS3112	1.25,2.048,2.5,3.0,3.3,4.096	0.10%	20ppm/°C	10	150	35	-40 to 125	SOT23,SOIC-8
RS34*	2.5, 3, 3.3, 4.096, 5	0.05%	6ppm/°C	10	100	20	-40 to 125	SOT23,SOIC-8
RS50*	2.048,2.5,3.0,3.3,4.096,4.5,5	0.05%	6ppm/°C	10	1100	7.5	-40 to 125	SOIC-8

电源类产品

POWER PRODUCTS

负载开关 | Load Switch

Part Number	Continuous Output Current (mA)	Quiescent Current (uA)	VIN Min(V)	VIN Max(V)	Enable Logic	Shutdown Current (uA)	Current Limit (mA)	Soft-Start	Fault Flag	Package
RS2580	6000	35	0.8	5.5	High	0.01	6000	Yes	NO	DFN2x2-8L
RS2581 *	2500	30	2.5	5.5	High	0.1	100 to 2500	Yes	NO	SOT23-5
RS2582 *	2500	30	2.5	5.5	High	0.1	100 to 2500	Yes	NO	SOT23-5
RS2583 *	2500(ADJ)	30	2.5	5.5	High	0.1	100 to 2500	Yes	Yes	SOT23-6
RS2584 *	1000/2100	5	2.1	5.5	High	1	1000/2100	Yes	NO	SOT23-5
RS2585 *	1500	20	1.8	5.5	High	1	1000	Yes	NO	SC70-6
RS2586 *	3000	10	2.1	5.5	High	1	3000	Yes	NO	CSP1.4x0.9-6L,DFN2x2-6L
RS2588	1000/2000/2500	30	2.5	5.5	High	0.1	1100/2100/2600	Yes	Yes	SOT23-5
RS2599	3000(ADJ)	100	2.5	5.5	High	0.1	500 to 3000	Yes	Yes	DFN3x3-8L

DC-DC | DC-DC

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

* 产品研发中

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	1.0~5.5	2.63,2.93,3.08,4.0	1.6s	20	160	Low	SOIC-8
RS802 *	5	No	1.0~5.5	1.63,2.32,2.63,2.93	No	100	ADJ	High	SC70-4,SOT143
RS803 *	2	No	1.0~5.5	2.63,2.93,3.08,4.4	No	30	200	Low	SOT23
RS804 *	5	No	1.0~5.5	1.63,2.32,2.63,2.93	No	100	ADJ	Low	SC70-4,SOT143
RS806	20	Yes	1.0~5.5	2.63,2.93,3.08,4.0	1.6s	30	200	Low	SOT23-5
RS809	20	No	1.0~5.5	2.63,2.93,3.08,4.4	No	30	200	Low	SOT23
RS811 *	10	Yes	1.0~5.5	2.63,2.93,3.08,4.4	No	20	200	Low	SOT143

马达驱动 | Motor Driver

Part Number	Motor Type	Output Current Max (A)	Sleep Mode Current (nA)	Vcc (V)	Output Voltage	PWM Frequency	Operating Current (uA)	Operating Temperature Range (°C)	Package
RS8835 *	Brushed DC Motor	1.8	35	2.5~7	7	0~250 kHz	510	-40°C~85°C	SOT23-6
RS8837	Brushed DC Motor	1.8	35	2.5~7	11	0~250 kHz	510	-40°C~85°C	SOIC-8,DFN2x2-8L