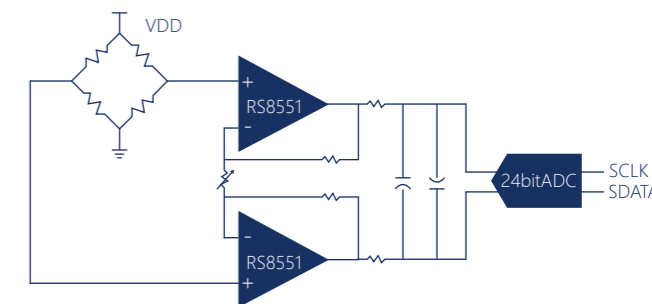


## 运算放大器和比较器【Operational Amplifier And Comparator】

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

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



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

Part Number	Amplifiers per Package	V <sub>OS</sub> (Offset Voltage) Max@25°C (uV)	TC of V <sub>OS</sub> Typ (uV/°C)	I <sub>B</sub> Typ (pA)	E <sub>NOISE</sub> 0.01Hz~10Hz (uVpp)	Rail-to-Rail I/O	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/us)	I <sub>q</sub> /Amp Typ (uA)	Additional Feature	E <sub>NOISE</sub> Typ@1kHz (nV/√Hz)	A <sub>OL</sub> Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (°C)	Package
RS8511	1	40	0.05	50	1.6	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	70	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8512	2	40	0.05	50	1.6	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	70	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8514	4	40	0.05	50	1.6	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	70	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8521	1	5	0.005	10	3.2	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	140	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8522	2	5	0.005	10	3.2	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	140	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8524	4	5	0.005	10	3.2	In,Out	2.3	5.5	0.35	0.17	60	EMI Hardened	140	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8538	1	5	0.005	50	1.3	In,Out	2.5	5.5	1.6	0.7	180	EMI Hardened	60	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8539	2	5	0.005	50	1.3	In,Out	2.5	5.5	1.6	0.7	180	EMI Hardened	60	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8551	1	5	0.005	50	0.75	In,Out	2.7	5.5	4.5	2.7	640	EMI Hardened	35	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8552	2	5	0.005	50	0.75	In,Out	2.7	5.5	4.5	2.7	640	EMI Hardened	35	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8554	4	5	0.005	50	0.75	In,Out	2.7	5.5	4.5	2.7	640	EMI Hardened	35	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8557	1	20	0.03	50	0.93	In,Out	2.7	5.5	4.3	2.5	650	EMI Hardened	45	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8558	2	20	0.03	50	0.93	In,Out	2.7	5.5	4.3	2.5	650	EMI Hardened	45	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8559	4	20	0.03	50	0.93	In,Out	2.7	5.5	4.3	2.5	650	EMI Hardened	45	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8501*	1	20	0.05	5	25	In,Out	2.2	5.5	0.015	0.01	5	EMI Hardened	—	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8502*	2	20	0.05	5	25	In,Out	2.2	5.5	0.015	0.01	5	EMI Hardened	—	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8504*	4	20	0.05	5	25	In,Out	2.2	5.5	0.015	0.01	5	EMI Hardened	—	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8561	1	20	0.1	100	0.48	In,Out	2.9	5.5	11	8.5	1300	EMI Hardened	32	130	130	-40 to 125	SOIC-8,MSOP-8,SOT23-5
RS8562	2	20	0.1	100	0.48	In,Out	2.9	5.5	11	8.5	1300	EMI Hardened	32	130	130	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8564	4	20	0.1	100	0.48	In,Out	2.9	5.5	11	8.5	1300	EMI Hardened	32	130	130	-40 to 125	SOIC-14,TSSOP-14

\* 产品研发中

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

Part Number	Amplifiers per Package	GBW Typ (MHz)	Shutdown	Total Supply Voltage (Min)	Total Supply Voltage (Max)	V <sub>os</sub> Max@25°C (mV)	I <sub>q</sub> /Amp Typ (mA)	I <sub>B</sub> Typ (pA)	Slew Rate Typ (V/us)	E <sub>NOISE</sub> Typ@1kHz (nV/√Hz)	Operating Temperature Range (°C)	Package
RS8751	1	250	N	2.5	5.5	7.5	2.9	1	180	8	-40 to 125	SOT23-5,SOIC-8,SC70-5,TDFN2X2-6L,MSOP-8
RS8752	2	250	N	2.5	5.5	7.5	2.9	1	180	8	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L,TDFN3X3-8L
RS8754	4	250	N	2.5	5.5	7.5	2.9	1	180	8	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L
RS8761*	1	500	N	2.5	5.5	8	8.2	6	420	5.6	-40 to 125	SOT23-5,SOIC-8,SC70-5,TDFN2X2-6L
RS8762*	2	500	N	2.5	5.5	8	8.2	6	420	5.6	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS8764*	4	500	N	2.5	5.5	8	8.2	6	420	5.6	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L
RS8701*	1	50	N	2.5	5.5	7.5	3.2	1	75	8.5	-40 to 125	SOT23-5,SOIC-8,SC70-5,TDFN2X2-6L,MSOP-8
RS8702*	2	50	N	2.5	5.5	7.5	3.2	1	75	8.5	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L,TDFN3X3-8L
RS8704*	4	50	N	2.5	5.5	7.5	3.2	1	75	8.5	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L

## 通用运算放大器 | General Operational Amplifier

Part Number	Amplifiers per Package	V <sub>os</sub> Max@25°C (mV)	I <sub>q</sub> /Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/ms)	Rail-to-Rail I/O	TC of V <sub>os</sub> Typ (uV/°C)	E <sub>NOISE</sub> Typ@1kHz (nV/√Hz)	I <sub>B</sub> Typ (pA)	A <sub>OL</sub> Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS121	1	5	7	2.5	5.5	0.15	50	In,Out	3.1	77	1	110	95	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8,TDFN2X2-6L
RS122	2	5	7	2.5	5.5	0.15	50	In,Out	3.1	77	1	110	95	—	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS124	4	5	7	2.5	5.5	0.15	50	In,Out	3.1	77	1	110	95	—	-40 to 125	SOIC-14,TSSOP-14,TDFN3X2-14L,TQFN3X3-16L
RS221	1	3.5	18	2.5	5.5	0.5	180	In,Out	2.9	30	1	110	90	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8,TDFN2X2-6L
RS222	2	3.5	18	2.5	5.5	0.5	180	In,Out	2.9	30	1	110	90	—	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS224	4	3.5	18	2.5	5.5	0.5	180	In,Out	2.9	30	1	110	90	—	-40 to 125	SOIC-14,TSSOP-14,TDFN3X2-14L,TQFN3X3-16L
RS321	1	4.5	60	2.2	5.5	1.1	500	In,Out	2.9	23	1	100	80	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8,TDFN2X2-6L
RS358	2	4.5	60	2.2	5.5	1.1	500	In,Out	2.9	23	1	100	80	—	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS324	4	4.5	60	2.2	5.5	1.1	500	In,Out	2.9	23	1	100	80	—	-40 to 125	SOIC-14,TSSOP-14,TDFN3X2-14L,TQFN3X3-16L
RS6331	1	3	58	2.2	5.5	1.1	500	In,Out	2	22	1	110	90	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8,TDFN2X2-6L
RS6331S	1	3	58	2.2	5.5	1.1	500	In,Out	2	22	1	110	90	Shutdown	-40 to 125	SOT23-6,SOIC-8,TDFN2X2-6L
RS6332	2	3	58	2.2	5.5	1.1	500	In,Out	2	22	1	110	90	—	-40 to 125	SOIC-8,MSOP-8,TSSOP-8,TDFN2X2-8L
RS6332S	2	3	58	2.2	5.5	1.1	500	In,Out	2	22	1	110	90	Shutdown	-40 to 125	MSOP-10,TDFN2X2-8L
RS6334	4	3	58	2.2	5.5	1.1	500	In,Out	2	22	1	110	90	—	-40 to 125	SOIC-14,TSSOP-14,TDFN3X2-14L,TQFN3X3-16L

\* 产品研发中

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

Part Number	Amplifiers per Package	$E_{NOISE}$ Typ@1kHz (nV/√Hz)	GBW Typ (MHz)	Slew Rate Typ (V/μs)	$I_q$ /Amp Typ (μA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	Rail-to-Rail I/O	$V_{OS}$ Max@25°C (mV)	TC of $V_{OS}$ Typ (μV/°C)	$I_B$ Typ (pA)	$A_{OL}$ Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS521	1	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8, TDFN2X2-6L
RS522	2	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS524	4	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOIC-14,TSSOP-14, TDFN3X2-14L,TQFN3X3-16L
RS621	1	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8, TDFN2X2-6L
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,TDFN2X2-8L, TDFN3X3-8L
RS624	4	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOIC-14,TSSOP-14, TDFN3X2-14L,TQFN3X3-16L
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,SOIC-8,MSOP-8, TDFN2X2-6L
RS722	2	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L, TDFN3X3-8L
RS724	4	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOIC-14,TSSOP-14, TDFN3X2-14L,TQFN3X3-16L
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,SOIC-8,MSOP-8, TDFN2X2-6L
RS821S	1	8.5	14	10	1900	2.5	5.5	In,Out	2.5	1.6	1	100	88	Shutdown	-40 to 125	SOT23-6,SOIC-8,TDFN2X2-6L
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,TDFN2X2-8L, TSSOP-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,TDFN2X2-8L
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, TDFN3X2-14L,TQFN3X3-16L

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

Part Number	Amplifiers per Package	$V_{OS}$ Max@25°C (mV)	GBW Typ (MHz)	Slew Rate Typ (V/μs)	$I_q$ /Amp Typ (μA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	Rail-to-Rail I/O	$E_{NOISE}$ Typ@1kHz (nV/√Hz)	TC of $V_{OS}$ Typ (μV/°C)	$I_B$ Typ (pA)	$A_{OL}$ Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (°C)	Package
RS6331P	1	0.5	1.1	0.5	85	2.5	5.5	In,Out	22	2	10	120	95	-40 to 125	SOT23-5
RS6332P	2	0.5	1.1	0.5	85	2.5	5.5	In,Out	22	2	10	120	95	-40 to 125	SOIC-8,MSOP-8
RS6334P	4	0.8	1.1	0.5	85	2.5	5.5	In,Out	22	2	10	120	95	-40 to 125	SOIC-14,TSSOP-14
RS621P	1	0.5	7	4	720	2.5	5.5	In,Out	11	2	10	110	96	-40 to 125	SOT23-5
RS622P	2	0.5	7	4	720	2.5	5.5	In,Out	11	2	10	110	96	-40 to 125	SOIC-8,MSOP-8
RS624P	4	0.5	7	4	720	2.5	5.5	In,Out	11	2	10	110	96	-40 to 125	SOIC-14,TSSOP-14
RS721P	1	0.5	10	6	1100	2.5	5.5	In,Out	9.5	2.6	10	110	97	-40 to 125	SOT23-5

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

Part Number	Amplifiers per Package	V <sub>os</sub> Max@25°C (mV)	GBW Typ (MHz)	Slew Rate Typ (V/us)	I <sub>q</sub> /Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	Rail-to-Rail I/O	E <sub>NOISE</sub> Typ@1kHz (nV/√Hz)	TC of V <sub>os</sub> Typ (uV/°C)	I <sub>B</sub> Typ (pA)	A <sub>OL</sub> Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (°C)	Package
RS722P	2	0.5	10	6	1100	2.5	5.5	In,Out	9.5	2.6	10	110	97	-40 to 125	SOIC-8,MSOP-8
RS724P	4	0.5	10	6	1100	2.5	5.5	In,Out	9.5	2.6	10	110	97	-40 to 125	SOIC-14,TSSOP-14
RS821P	1	0.5	14	10	1900	2.5	5.5	In,Out	7	1.6	10	100	88	-40 to 125	SOT23-5
RS822P	2	0.5	14	10	1900	2.5	5.5	In,Out	7	1.6	10	100	88	-40 to 125	SOIC-8,MSOP-8
RS824P	4	0.8	14	10	1900	2.5	5.5	In,Out	7	1.6	10	100	88	-40 to 125	SOIC-14,TSSOP-14

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

Part Number	Amplifiers per Package	I <sub>q</sub> /Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBP Typ (KHz)	Slew Rate Typ (V/ms)	E <sub>NOISE</sub> Typ@1kHz (nV/√Hz)	V <sub>os</sub> Max@25°C (mV)	TC of V <sub>os</sub> Typ (uV/°C)	I <sub>B</sub> Typ (pA)	A <sub>OL</sub> Typ (dB)	CMRR Typ (dB)	Rail-to-Rail I/O	Operating Temperature Range (°C)	Package
RS8021*	1	0.35	1.4	5.5	5	1.5	360	3	2.3	1	106	90	Yes	-40 to 125	SOT23-5,SC70-5,SOIC-8,MSOP-8
RS8022*	2	0.35	1.4	5.5	5	1.5	360	3	2.3	1	106	90	Yes	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8024*	4	0.35	1.4	5.5	5	1.5	360	3	2.3	1	106	90	Yes	-40 to 125	SOIC-14,TSSOP-14
RS8031	1	0.67	1.4	5.5	15	7.5	160	3	2.3	1	106	90	Yes	-40 to 125	SOT23-5,SC70-5,SOIC-8,MSOP-8
RS8032	2	0.67	1.4	5.5	15	7.5	160	3	2.3	1	106	90	Yes	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8034	4	0.67	1.4	5.5	15	7.5	160	3	2.3	1	106	90	Yes	-40 to 125	SOIC-14,TSSOP-14
RS8051	1	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	-40 to 125	SOT23-5,SC70-5,SOIC-8,MSOP-8
RS8052	2	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8054	4	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	-40 to 125	SOIC-14,TSSOP-14

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

Part Number	Amplifiers per Package	V <sub>os</sub> (Offset Voltage) Max@25°C (uV)	TC of V <sub>os</sub> Typ (uV/°C)	I <sub>B</sub> Typ (pA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Rail-to-Rail I/O	I <sub>q</sub> /Amp Typ (uA)	Additional Feature	E <sub>NOISE</sub> 0.01Hz~10Hz (uVpp)	E <sub>NOISE</sub> Typ@1kHz (nV/√Hz)	A <sub>OL</sub> Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (°C)	Package
RS8631	1	30	0.01	50	4.5	36	0.37	0.12	Out	125	EMI Hardened	0.75	36	130	130	-40 to 125	SOT23-5,SOIC-8
RS8632	2	30	0.01	50	4.5	36	0.37	0.12	Out	125	EMI Hardened	0.75	36	130	130	-40 to 125	SOIC-8,MSOP-8
RS8634	4	30	0.01	50	4.5	36	0.37	0.12	Out	125	EMI Hardened	0.75	36	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8651	1	10	0.005	50	4.5	36	3	0.95	Out	800	EMI Hardened	0.25	14	130	130	-40 to 125	SOT23-5,SOIC-8
RS8652	2	10	0.005	50	4.5	36	3	0.95	Out	800	EMI Hardened	0.25	14	130	130	-40 to 125	SOIC-8,MSOP-8

\* 产品研发中

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

Part Number	Amplifiers per Package	Vos(Offset Voltage) Max@25°C (uV)	TC of Vos Typ (uV/°C)	IB Typ (pA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Rail-to-Rail I/O	Iq/Amp Typ (uA)	Additional Feature	ENOISE 0.01Hz~10Hz (uVpp)	ENOISE Typ@1kHz (nV/√Hz)	AOL Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (°C)	Package
RS8654	4	10	0.005	50	4.5	36	3	0.95	Out	800	EMI Hardened	0.25	14	130	130	-40 to 125	SOIC-14,TSSOP-14
RS8661	1	10	0.005	50	4.5	36	5	1.8	Out	1300	EMI Hardened	0.18	10	130	130	-40 to 125	SOT23-5,SOIC-8
RS8662	2	10	0.005	50	4.5	36	5	1.8	Out	1300	EMI Hardened	0.18	10	130	130	-40 to 125	SOIC-8,MSOP-8
RS8664	4	10	0.005	50	4.5	36	5	1.8	Out	1300	EMI Hardened	0.18	10	130	130	-40 to 125	SOIC-14,TSSOP-14

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

Part Number	Amplifiers per Package	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Rail-to-Rail I/O	Vos Max@25°C (mV)	Iq/Amp Typ (uA)	ENOISE Typ@1kHz (nV/√Hz)	IB Typ (pA)	AOL Typ (dB)	Sink/Source Current Typ (mA)	Operating Temperature Range (°C)	Package
RS07	1	4.5	36	1.1	1	Out	0.5	230	22	10	110	50	-40 to 125	SOIC-8,MSOP-8
RS8401	1	3.0	36	0.23	0.11	Out	3.0	0.02	45	10	110	50	-40 to 125	SOT-23-5
RS8402	2	3.0	36	0.23	0.11	Out	3.0	0.02	45	10	110	50	-40 to 125	SOIC-8,MSOP-8
RS8404	4	3.0	36	0.23	0.11	Out	3.0	0.02	45	10	110	50	-40 to 125	SOIC-14,TSSOP-14
RS8411	1	3.0	36	1.2	0.67	Out	4.0	0.1	45	10	115	70	-40 to 125	SOT-23-5
RS8412	2	3.0	36	1.2	0.67	Out	4.0	0.1	45	10	115	70	-40 to 125	SOIC-8,MSOP-8
RS8414	4	3.0	36	1.2	0.67	Out	4.0	0.1	45	10	115	70	-40 to 125	SOIC-14,TSSOP-14
RS8421	1	4.4	36	5.0	3.0	Out	3.0	1.8	44	10	100	90	-40 to 125	SOT-23-5
RS8422	2	4.4	36	5.0	3.0	Out	3.0	1.8	44	10	100	90	-40 to 125	SOIC-8,MSOP-8
RS8424	4	4.4	36	5.0	3.0	Out	3.0	1.8	44	10	100	90	-40 to 125	SOIC-14,TSSOP-14
RS8451	1	5.0	36	8.0	5.0	Out	3.0	2.75	35	10	110	150	-40 to 125	SOT-23-5
RS8452	2	5.0	36	8.0	5.0	Out	3.0	2.75	35	10	110	150	-40 to 125	SOIC-8,MSOP-8
RS8454	4	5.0	36	8.0	5.0	Out	3.0	2.75	35	10	110	150	-40 to 125	SOIC-14,TSSOP-14

## ■ 仪表放大器 | Instrumentation Amplifier

Part Number	Common Mode Voltage (Max) (V)	Common Mode Voltage (Min) (V)	Input Offset (+/-)(Max) (uV)	Input Offset Drift (+/-)(Typ) (uV/C)	Gain (V/V)	Gain Error (%)	CMRR (Min) (dB)	Bandwidth (kHz)	Supply Voltage (Max) (V)	Supply Voltage (Min) (V)	Iq (Max) (V)	Operating Temperature Range (°C)	Package
RS199*	36	-0.1	150	0.1	50,100,200	1	100	80,30,14	36	2.7	0.115	-40 to 125	SC70-6,QFN1.4X1.8-10L
RS620*	36	3	150	2	1,10,100,1000	0.15	120	800,120,12,1	36	2.7	0.2	-40 to 125	SOIC-8

\* 产品研发中

## 微功耗比较器 | Nano Power Comparator

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

## 高速比较器 | High Speed Comparator

Part Number	Comparators per Package	Iq/Comp Typ (μA)	t <sub>r</sub> , H to L @Vcc=5V PD (ns)	t <sub>r</sub> , L to H @Vcc=5V PD (ns)	Rise Time @Vcc=5V (ns)	Fall Time @Vcc=5V (ns)	Vos Max@25°C (mV)	Vcc (V)	Input Common Mode Voltage Range(V)	Logic Output	Rail-to-Rail Output	Operating Temperature Range (°C)	Package
RS8904*	1	155	20	25	8	5	5	2.7~5.5	-0.1~Vs+0.1	Push-Pull	Yes	-40 to 125	SOT23-5,SC70-5
RS8906*	1	1300	6	6	8	6	5	2.7~5.5	-0.1~Vs+0.1	Push-Pull	Yes	-40 to 125	SOT23-5,SC70-5
RS8908*	1	22	95	120	8	6	5	2.7~5.5	-0.1~Vs+0.1	Push-Pull	Yes	-40 to 125	SOT23-5,SC70-5
RS8910*	2	22	95	120	8	6	5	2.7~5.5	-0.1~Vs+0.1	Push-Pull	Yes	-40 to 125	SOIC-8,MSOP-8
RS8911*	1	150	30	22	11	8	5	2.7~5.5	-0.1~Vs-1.2	Push-Pull	Yes	-40 to 125	SOT23-5
RS331	1	50	185	210		34	3.5	1.8~5.5	-0.1~Vs+0.1	Open-Drain(NFET)	Yes	-40 to 85	SOT23-5
RS393	2	50	185	210		34	3.5	1.8~5.5	-0.1~Vs+0.1	Open-Drain(NFET)	Yes	-40 to 85	SOIC-8
RS339	4	50	185	210		34	3.5	1.8~5.5	-0.1~Vs+0.1	Open-Drain(NFET)	Yes	-40 to 85	SOIC-14,TSSOP-14

## 高压比较器 | High Voltage Comparator

Part Number	Comparators per Package	Iq/Comp Typ (uA)	t <sub>r</sub> , H toL @Vcc=5V PD(us)	t <sub>r</sub> , L toH @Vcc=5V PD(us)	Vos Max@25°C (mV)	Vcc (V)	Input Common Mode Voltage Range(V)	Logic Output	Operating Temperature Range (°C)	Package
LM331	1	230	0.4	0.9	4	4.5~36	-0.1~ Vs-1.5	Open-Drain(NFET)	-40 to 85	SOT-23-5
LM393	2	20	2	6.1	3.5	3.0~36	-0.1~ Vs-1.5	Open-Drain(NFET)	-40 to 85	SOIC-8,MSOP-8
LM2903	2	230	0.4	0.9	4	4.5~36	-0.1~ Vs-1.5	Open-Drain(NFET)	-40 to 85	SOIC-8,MSOP-8
LM2901	4	230	0.4	0.9	4	4.5~36	-0.1~ Vs-1.5	Open-Drain(NFET)	-40 to 85	SOIC-14,TSSOP-14

\* 产品研发中

## 模拟开关 [Analog Switch]

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

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

### 模拟开关 | Analog Switch

Part Number	CH	Type	R <sub>ON</sub> (Ω)	-3dB Bandwidth (MHz)	V <sub>CC</sub> (Min) (V)	V <sub>CC</sub> (Max) (V)	I <sub>q</sub> (μA)	V <sub>INH</sub> (Min) (V)	V <sub>INL</sub> (Max) (V)	t <sub>ON</sub> (ns)	t <sub>OFF</sub> (ns)	Operating Temperature Range (°C)	Package
RS2101	1	1:2	3.0	120	1.8	5.5	1	1.5	0.6	29	17	-40°C to 125°C	SOT363(SC70-6)
RS2102	2	1:2	3.0	120	1.8	5.5	1	1.5	0.6	29	17	-40°C to 125°C	MSOP-10
RS2103	1	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40°C to 125°C	SOT363(SC70-6),SOT23-6,MSOP-8
RS2105	2	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40°C to 125°C	MSOP-10,TDFN-3X3-10L
RS2057	1	1:2	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40°C to 125°C	SOT363(SC70-6),SOT23-6
RS2058	2	1:2	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40°C to 125°C	MSOP-10,QFN-1.4X1.8-10L
RS2099	4	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40°C to 125°C	QFN3X3-16L,TSSOP-16
RS2117	2	1:2	4	400	2.5	5.5	1	1.5	0.5	15	10	-40°C to 85°C	QFN-1.4X1.8-10L,MSOP-10
RS2118	2	1:2	0.6	80	2.5	5.5	1	1.5	0.5	15	10	-40°C to 85°C	QFN-1.4X1.8-10L
RS2257	1	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40°C to 125°C	SOT363(SC70-6),SOT23-6
RS2299	4	1:2	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40°C to 125°C	QFN-3X3-16L
RS2251	1	1:8	48	180	2.5	5.5	1	1.7	0.5	65	80	-40°C to 125°C	SOIC-16(SOP16),SSOP-16,TSSOP-16, QFN-3X3-16L
RS2252	2	1:4	48	180	2.5	5.5	1	1.7	0.5	70	80	-40°C to 125°C	SOIC-16(SOP16),SSOP-16,TSSOP-16, QFN-3X3-16L
RS2253	3	1:2	48	180	2.5	5.5	1	1.7	0.5	90	70	-40°C to 125°C	SOIC-16(SOP16),SSOP-16,TSSOP-16, QFN-3X3-16L
RS2254	4	1:1	24	180	2.5	5.5	1	1.5	0.5	40	100	-40°C to 125°C	TSSOP-14,SOIC-14(SOP14)
RS2255	1	1:4	24	180	2.5	5.5	1	1.5	0.5	40	100	-40°C to 125°C	MSOP-10
RS2255A	1	1:4	48	180	2.5	5.5	1	1.5	0.5	40	100	-40°C to 125°C	MSOP-10
RS2323	2	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40°C to 125°C	QFN-1.4X1.8-10L
RS2227	2	1:2	6	550	1.8	5.5	1	1.6	0.5	20	15	-40°C to 85°C	MSOP-10,QFN-1.4X1.8-10L
RS2228	2	1:2	6	550	1.8	5.5	1	1.6	0.5	20	15	-40°C to 85°C	QFN-1.4X1.8-10L,MSOP-10
RS2166	1	1:1	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40°C to 125°C	SOT23-5, SOT353(SC70-5)
RS2266	2	1:1	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40°C to 125°C	DFN2x3-8, MSOP-8
RS2259	4	1:1	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40°C to 125°C	TSSOP-16
RS2259B	4	1:1	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40°C to 125°C	TSSOP-16
RS2233*	4	1:2	4.5	500	2.5	5.5	15	1.5	0.4	20	20	-40°C to 125°C	TSSOP-16

### 特殊开关系列 | Special Switch Series

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

\* 产品研发中

## 线性稳压器 [Linear Regulator]

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

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

### 高压线性稳压器 | High Voltage Linear Regulator

Part Number	V <sub>IN</sub> MIN (V)	V <sub>IN</sub> MAX (V)	Output Current (mA)	Ground Current (No Load) (uA)	Dropout Voltage @I <sub>OUT</sub> =1mA (mV)	PSRR @1kHz (dB)	Additional Feature Output current (mA)	V <sub>OUT</sub> (V)	Operating Temperature Range (°C)	Package
RS3001	2.5	36	150	2.5	8	54	500	Adj	-40 to 85	SOT23-5
RS3002	2.5	36	150	2.5	8	54	—	1.8,2.5,3.0,3.3,3.6,5	-40 to 85	SOT23-5,SOT23,SOT23-3,SOT89-3
RS3003	6.3	36	150	11	—	63	—	3.0,3.3,5	-40 to 85	SOT89-3,SOT23-3
RS3005	2.5	36	150	11	8	63	—	3.0,3.3,3.6,4.0,5.0,5.5,Adj	-40 to 85	SOT89-3,SOT23-3,SOT23-5,SOT23
RS3007	2.5	45	300	3	3	77	—	1.8,2.5,3.0,3.3,5	-40 to 85	SOT23-3,SOT23-5,SOT89-3L,SOT223,SOIC-8
RS75xx-1	2.5	36	150	2	4.4	40	—	2.5,3.0,3.3,3.6,5.0	-40 to 85	SOT23-3,SOT89-3
RS73xx-1	2.5	45	300	3	3	77	—	1.8,2.5,3.0,3.3,3.6,5.0	-40 to 85	SOT23-3,SOT89-3

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

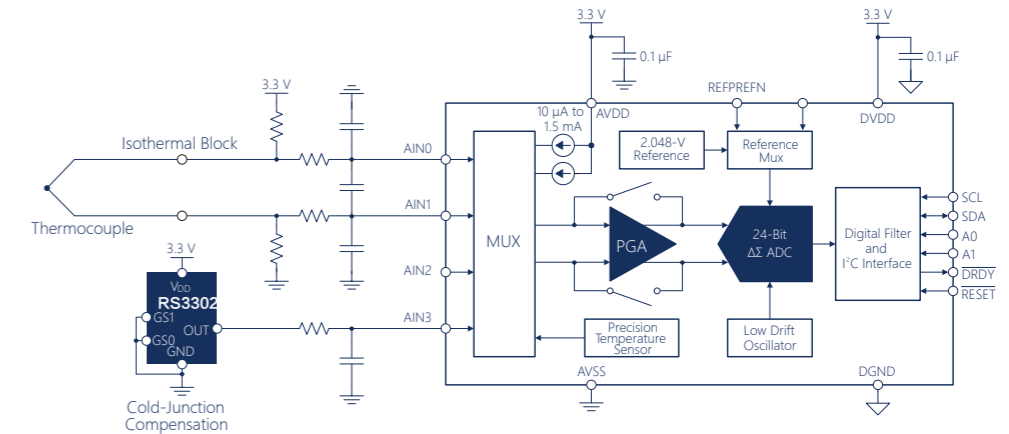
Part Number	V <sub>OUT</sub> (V)	V <sub>IN</sub> (V)	Output Current (mA)	Dropout Voltage (mV)	Ground Current (No Load) (uA)	Output Voltage Noise (uV <sub>RMS</sub> )	PSRR @1kHz (dB)	Operating Temperature Range (°C)	Package
RS3219	1.2,1.5,1.8,2.5,2.8,3.0,3.3,Adj	1.7~7.5	300	280	120	38	55	-40 to 85	SOT23-3,SOT23-5,UTDFN1x1-4
RS3221	0.8,1.0,1.2,1.5,1.8,2.0,2.5,2.8,3.0,3.3,3.6,4.0,5.0,Adj	1.7~7.5	200	210	1	—	30	-40 to 85	SOT23-3,UTDFN1x1-4,SOT23-5,SC70-5,SOT89-3
RS3236	0.8,1.0,1.2,1.5,1.8,2.0,2.5,2.8,3.0,3.3,3.6,4.0,5.0,Adj	1.7~7.5	500	450	30	80	70	-40 to 85	TDFN1x1-4L,SOT23-5,SC70-5,SOT23-3,SOT89-3
RS3237*	1.2,1.8,2.5,2.8,3.0,3.3	1.7~7.5	250	210	20	15	90	-40 to 85	SOT23-5,DFN1x1-4L
RS3238*	1.8,3.0,3.3,Adj	1.7~7.5	1000	280	90	50	75	-40 to 85	DFN 1.2*1.6-8L,DFN 3*3-8L
RS3239*	1.8,3.0,3.3,Adj	1.7~7.5	2000	500	500	80	70	-40 to 85	SOIC-8,DFN 3*3-8L



## 数据转换\* [Data Converters]

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

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



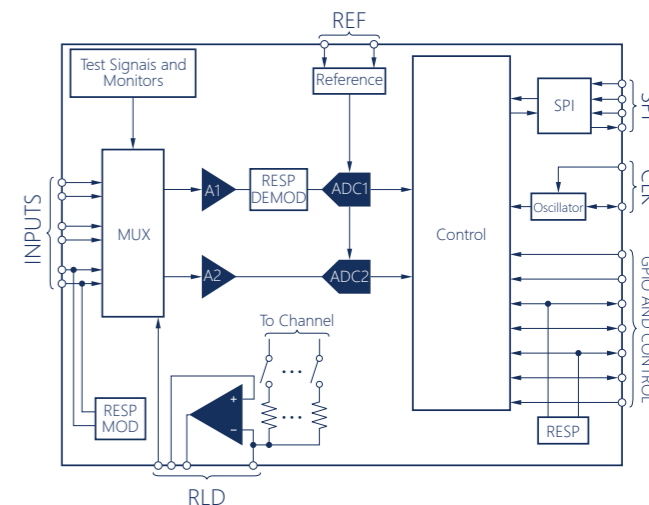
## 模数转换器 — 精密ADC | Analog-Digital Converter-Precise ADC

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

## ■ 模拟前端\* [Analog Front End]

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

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



## ■ 医疗电子 | Medical Electronics

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

## ■ 逻辑 & 转换 [Logic & translation]

润石科技针对 I/O 电压差异应用，推出自动双向电压转换器。

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

## ■ 电平转换器 | Level Converter

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

\* 产品研发中

## ■ 电平转换器 | Level Converter

Part Number	Translators per Package	Data Rate (Mbps)	VCCA Range (V)	VCCB Range (V)	Bidirectional	VCC Shutdown I/O State	Icc Max (uA)	Shutdown Icc Max (uA)	Logic Output	Features	Package
RS0302*	2	100	1.2~5.5	1.65~5.5	Yes	Hi-Z	15	1	Open-Drain/Push-Pull	GPIO Level Shifter	SOT23-8,DFN2x3-8L
RS1T45*	1	200	1.65~5.5	1.65~5.5	Yes	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	SOT23-6,SC70-6
RS2T45*	2	200	1.65~5.5	1.65~5.5	Yes	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	SOT23-8,DFN2x3-8L
RS4T245*	4	200	1.65~5.5	1.65~5.5	Yes	Hi-Z	50	1	Push-Pull	GPIO Level Shifter	TSSOP-16
RS8T245*	8	200	1.65~5.5	1.65~5.5	Yes	Hi-Z	50	1	Push-Pull	GPIO Level Shifter	TSSOP-24

## ■ 小逻辑 | Small Logic Series

Part Number	Translators per Package	VCC Range (V)	Icc Max (uA)	Operating Temperature Range (°C)	Pacakage
RS1G00	1	1.65~5.5	10	-40 to 125	SOT23-5,SC70-5
RS2G00	2	1.65~5.5	10	-40 to 125	MSOP-8
RS4G00	4	1.65~5.5	10	-40 to 125	SOIC-14
RS1G07	1	1.65~5.5	10	-40 to 125	SOT23-5,SC70-5
RS2G07	2	1.65~5.5	10	-40 to 125	SOT23-6,SC70-6
RS6G07	6	1.65~5.5	10	-40 to 125	SOIC-14, TSSOP-14
RS1G08	1	1.65~5.5	10	-40 to 125	SOT23SOT23-5,SC70-5
RS2G08	2	1.65~5.5	10	-40 to 125	MSOP-8
RS4G08	4	1.65~5.5	10	-40 to 125	SOIC-14, TSSOP-14
RS1G14	1	1.65~5.5	10	-40 to 125	SOT23-5,SC70-5
RS2G14	2	1.65~5.5	10	-40 to 125	SOT23-6,SC70-6
RS6G14	6	1.65~5.5	10	-40 to 125	SOIC-14, TSSOP-14
RS1G17	1	1.65~5.5	10	-40 to 125	SOT23-5,SC70-5
RS2G17	2	1.65~5.5	10	-40 to 125	SOT23-6,SC70-6
RS6G17	6	1.65~5.5	10	-40 to 125	SOIC-14
RS1G32	1	1.65~5.5	10	-40 to 125	SOT23-5,SC70-5
RS2G32	2	1.65~5.5	10	-40 to 125	MSOP-8
RS4G32	4	1.65~5.5	10	-40 to 125	SOIC-14
RS1G86	1	1.65~5.5	10	-40 to 125	SOT23-5,SC70-5
RS2G86	2	1.65~5.5	10	-40 to 125	MSOP-8

\* 产品研发中

## 小逻辑 | Small Logic Series

Part Number	Translators per Package	VCC Range (V)	Icc Max (uA)	Operating Temperature Range (°C)	Pacakage
RS4G86	4	1.65~5.5	10	-40 to 125	SOIC-14
RS1G125	1	1.65~5.5	10	-40 to 125	SOT23-5,SC70-5
RS2G125	2	1.65~5.5	10	-40 to 125	TSSOP-8
RS4G125	4	1.65~5.5	10	-40 to 125	SOIC-14
RS1G126	1	1.65~5.5	10	-40 to 125	SOT23-5,SC70-5
RS2G126	2	1.65~5.5	10	-40 to 125	TSSOP-8
RS4G126	4	1.65~5.5	10	-40 to 125	SOIC-14
RS244	8	1.8~5.5	50	-40 to 125	TSSOP-20,SOIC-20
RS245	8	1.8~5.5	50	-40 to 125	TSSOP-20,SOIC-20

## 电压基准源芯片 [Voltage Reference]

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

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

## 并联电压基准源 | Shunt Voltage Reference

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

## DC/DC

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

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

Part Number	DC-DC Topology	Output Current Max (mA)	Quiescent Current (uA)	VIN Min(V)	VIN Max(V)	Efficiency Max	Output Voltage	Switching Frequency (MHz)	Shutdown Current (uA)	Enable Logic	Pacakage
RS6651	Sync Boost	1000	10	1	5.5	90%	1.8~5.5V	1.2	1	High	SOT23-6,DFN2x2-6L
RS6699	Sync Boost	600	2	1	5.5	90%	1.8~5.5V	1.2	1	High	SOT23-6,DFN2x2-6L

## 负载开关 【Load Switches】

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

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

Part Number	Continuous Output Current (mA)	Quiescent Current (uA)	VIN Min(V)	VIN Max(V)	Enable Logic	Shutdown Current (uA)	Current Limit (mA)	Soft-Start	Fault Flag	Pacakage
RS2581	2500	10	2.1	5.5	High	1	100 to 2500	Yes	No	SOT23-5
RS2582	2500	10	2.1	5.5	High	1	100 to 2500	Yes	No	SOT23-5
RS2583	2500	10	2.1	5.5	High	1	100 to 2500	Yes	Yes	SOT23-6
RS2584	1000/2100	5	2.1	5.5	High	1	1000/2100	Yes	No	SOT23-5
RS2585	1000	5	1	5.5	High	1	1000	Yes	No	CSP0.8x0.8-4L
RS2586	3000	10	2.1	5.5	High	1	3000	Yes	No	CSP1.4x0.9-6L/DFN2x2-6L
RS2588	1000/2100/2500	10	2.1	5.5	High	1	1000/2100/2500	Yes	Yes	SOT23-5

## 电压检测和复位 【Supervisory Circuits】

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

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

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

## 马达驱动 【Motor Drivers】

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