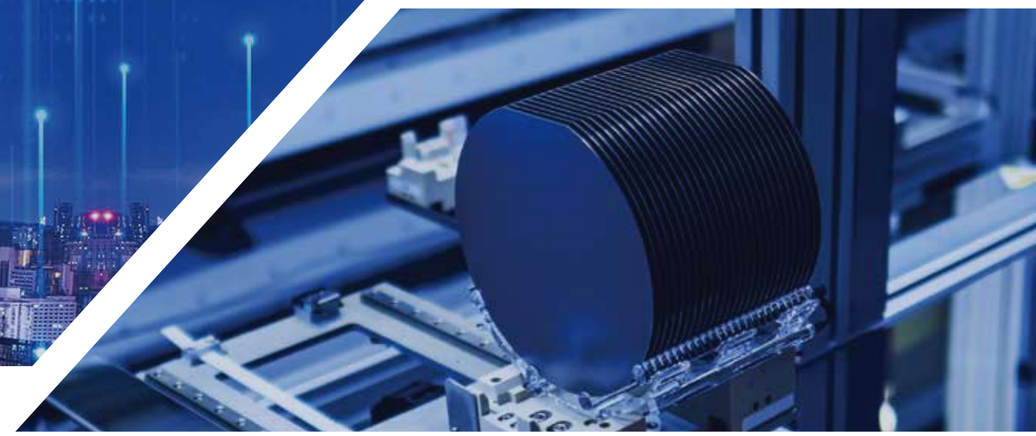
To Make Runic Chips Active In Every Corner of The World

RUNIC
Innovation Service



Product Selection Guide

Jiangsu Runic Technology Co.,Ltd

July
2022

Innovation · Quality · Service

E-mail: overseas@run-ic.com

Jiangsu Runic Technology Co.,Ltd

Jiangsu / Tel: +86-510-85387528
20th Floor, Jinqian Building, No. 8 Hongyi Road, Xinwu District, Wuxi City,Jiangsu Province

Shenzhen / Tel : +86-755-23595309
4-Rm201, 2 Gaoxin Middle 2nd Rd, Shenzhen Software Park Phase1, Nanshan District,Shenzhen City, Guangdong Province,China

South Korea / Tel: +82 10 4189 0299
13F #102, 428 Seolleung-ro, Gangnam-gu, Seoul, Korea, 06192
E-mail : overseas@run-ic.com

Website Linkedin Digikey

Vision

Become a world-class analog IC company

Mission

To Make Runic Chips Active In Every Corner of The World

Company profile

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.

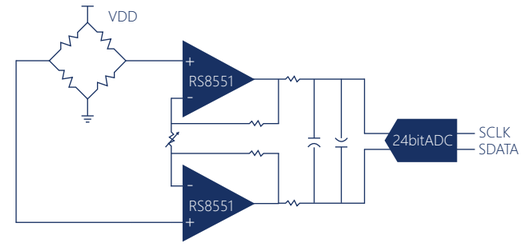
Honor

- Hi-Tech Company
- Jiangsu Private Hi-Tech Enterprise
- Beijing University Electrnic and Information Engineering PhD Workstation
- 2018 China Core Best Innovation Award
- 2019 Best Power IC Award
- 2019 China Core Most Potential IC Design Company Award
- 2020 Best Analog IC Award
- 2020 China Analog Semiconductor Excellent Enterprise Award
- 2021 China IC Design Achievement Award
- 2021 China Analog Semiconductor Leap Achievement Outstanding Business Award
- 2021 “China Chip” Most Potential IC Design Company Award
- 2021 Best Signal Chain Product Award
- 2022 China IC Design Achievement Award

Directory

Operational Amplifier And Comparator

Runic Technology offers a wide range of amplifiers and comparators, from high precision high performance options, to low-power and cost effective solutions. Whether you're designing for specific applications such as personal electronics, industrial, medical or automotive, we have the right amplifier to meet your needs.



Precision Operational Amplifier

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

*In design

High-Speed Operational Amplifier

Part Number	Amplifiers per Package	GBW Typ (MHz)	Shutdown	Total Supply Voltage (Min)	Total Supply Voltage (Max)	V_{OS} Max@25°C (mV)	I_Q/Amp Typ (mA)	IB Typ (pA)	Slew Rate Typ (V/us)	E_{NOISE} Typ@1kHz (nV/√Hz)	Operating Temperature Range (°C)	Package
RS8751	1	250	N	2.5	5.5	7.5	2.9	1	180	8	-40 to 125	SOT23-5,SOIC-8
RS8752	2	250	N	2.5	5.5	7.5	2.9	1	180	8	-40 to 125	SOIC-8,MSOP-8,TSSOP-8
RS8754	4	250	N	2.5	5.5	7.5	2.9	1	180	8	-40 to 125	SOIC-14,TSSOP-14
RS8761*	1	500	N	2.5	5.5	8	8.2	6	420	5.6	-40 to 125	SOT23-5,SOIC-8
RS8762*	2	500	N	2.5	5.5	8	8.2	6	420	5.6	-40 to 125	SOIC-8,MSOP-8
RS8764*	4	500	N	2.5	5.5	8	8.2	6	420	5.6	-40 to 125	SOIC-14,TSSOP-14
RS8701*	1	50	N	2.5	5.5	7.5	3.2	1	75	8.5	-40 to 125	SOT23-5,SOIC-8
RS8702*	2	50	N	2.5	5.5	7.5	3.2	1	75	8.5	-40 to 125	SOIC-8,MSOP-8
RS8704*	4	50	N	2.5	5.5	7.5	3.2	1	75	8.5	-40 to 125	SOIC-14,TSSOP-14

General Purpose Operational Amplifier

Part Number	Amplifiers per Package	V_{OS} Max@25°C (mV)	I_Q/Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBW Typ (MHz)	Slew Rate Typ (V/ms)	Rail-to -Rail I/O	TC of V_{OS} Typ (uV/°C)	E_{NOISE} Typ@1kHz (nV/√Hz)	IB Typ (pA)	A_{OL} Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS121	1	5	7	2.5	5.5	0.15	50	In,Out	3.1	77	1	110	95	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8
RS122	2	5	7	2.5	5.5	0.15	50	In,Out	3.1	77	1	110	95	—	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS124	4	5	7	2.5	5.5	0.15	50	In,Out	3.1	77	1	110	95	—	-40 to 125	SOIC-14,TSSOP-14
RS221	1	3.5	18	2.5	5.5	0.5	180	In,Out	2.9	30	1	110	90	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8
RS222	2	3.5	18	2.5	5.5	0.5	180	In,Out	2.9	30	1	110	90	—	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS224	4	3.5	18	2.5	5.5	0.5	180	In,Out	2.9	30	1	110	90	—	-40 to 125	SOIC-14,TSSOP-14
RS321	1	4.5	60	2.2	5.5	1.1	500	In,Out	2.9	23	1	100	80	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8
RS358	2	4.5	60	2.2	5.5	1.1	500	In,Out	2.9	23	1	100	80	—	-40 to 125	SOIC-8,MSOP-8
RS324	4	4.5	60	2.2	5.5	1.1	500	In,Out	2.9	23	1	100	80	—	-40 to 125	SOIC-14,TSSOP-14
RS6331	1	3	58	2.2	5.5	1.1	500	In,Out	2	22	1	110	90	—	-40 to 125	SOT23-5,SOIC-8,MSOP-8
RS6331S	1	3	58	2.2	5.5	1.1	500	In,Out	2	22	1	110	90	Shutdown	-40 to 125	SOT23-6,SOIC-8
RS6332	2	3	58	2.2	5.5	1.1	500	In,Out	2	22	1	110	90	—	-40 to 125	SOIC-8,MSOP-8,TSSOP-8 TDFN2x2-8L
RS6332S	2	3	58	2.2	5.5	1.1	500	In,Out	2	22	1	110	90	Shutdown	-40 to 125	MSOP-10
RS6334	4	3	58	2.2	5.5	1.1	500	In,Out	2	22	1	110	90	—	-40 to 125	SOIC-14,TSSOP-14,TQFN3X3-16L

*In design

Low Noise Operational Amplifier

Part Number	Amplifiers per Package	E_{NOISE} Typ@1kHz (nV/√Hz)	GBW Typ (MHz)	Slew Rate Typ (V/us)	I_q/Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	Rail-to-Rail I/O	V_{OS} Max@25°C (mV)	TC of V_{OS} Typ (uV/°C)	IB 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
RS522	2	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS524	4	15	3.6	1.8	260	2.5	5.5	In,Out	3	2	1	110	87	—	-40 to 125	SOIC-14,TSSOP-14
RS621	1	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOT23-5,SC70-5
RS622	2	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOIC-8,MSOP-8,TSSOP8 TDFN2X2-8L, TDFN3X3-8L
RS624	4	11	7	3.7	600	2.5	5.5	In,Out	3	2	1	106	92	—	-40 to 125	SOIC-14,TSSOP-14,TDFN3X2-14L
RS721	1	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOT23-5,TDFN2X2-6L,SC70-5
RS722	2	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L, TDFN3X3-8L
RS724	4	9.5	10	7	1150	2.5	5.5	In,Out	2.5	2.6	1	96	85	—	-40 to 125	OIC-14,TSSOP-14
RS821	1	8.5	14	10	1900	2.5	5.5	In,Out	2.5	1.6	1	100	88	—	-40 to 125	SOT23-5
RS821S	1	8.5	14	10	1900	2.5	5.5	In,Out	2.5	1.6	1	100	88	Shutdown	-40 to 125	SOT23-6,SOIC-8
RS822	2	8.5	14	10	1900	2.5	5.5	In,Out	2.5	1.6	1	100	88	—	-40 to 125	SOIC-8,MSOP-8,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
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

Low Offset Operational Amplifier

Part Number	Amplifiers per Package	V_{OS} Max@25°C (mV)	GBW Typ (MHz)	Slew Rate Typ (V/us)	I_q/Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	Rail-to-Rail I/O	E_{NOISE} Typ@1kHz (nV/√Hz)	TC of V_{OS} Typ (uV/°C)	IB 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

Low Offset Operational Amplifier

Part Number	Amplifiers per Package	V_{OS} Max@25°C (mV)	GBW Typ (MHz)	Slew Rate Typ (V/us)	I_q/Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	Rail-to-Rail I/O	E_{NOISE} Typ@1kHz (nV/√Hz)	TC of V_{OS} Typ (uV/°C)	IB Typ (pA)	A_{OL} Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (℃)	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

Nano Power Operational Amplifier

Part Number	Amplifiers per Package	I_q/Amp Typ (uA)	Total Supply Voltage (Min)	Total Supply Voltage (Max)	GBP Typ (KHz)	Slew Rate Typ (V/ms)	E_{NOISE} Typ@1kHz (nV/√Hz)	V_{OS} Max@25°C (mV)	TC of V_{OS} Typ (uV/°C)	IB Typ (pA)	A_{OL} Typ (dB)	CMRR Typ (dB)	Rail-to-Rail I/O	Operating Temperature Range (℃)	Package
RS8021	1	0.35	1.4	5.5	5	1.5	360	3	2.3	1	106	90	Yes	-40 to 125	SOT23-5,SC70-5
RS8022*	2	0.35	1.4	5.5	5	1.5	360	3	2.3	1	106	90	Yes	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8024*	4	0.35	1.4	5.5	5	1.5	360	3	2.3	1	106	90	Yes	-40 to 125	SOIC-14,TSSOP-14
RS8031	1	0.75	1.4	5.5	15	7.5	160	3	2.3	1	106	90	Yes	-40 to 125	SOT23-5,SC70-5
RS8032	2	0.75	1.4	5.5	15	7.5	160	3	2.3	1	106	90	Yes	-40 to 125	SOIC-8,MSOP-8
RS8034	4	0.75	1.4	5.5	15	7.5	160	3	2.3	1	106	90	Yes	-40 to 125	SOIC-14,TSSOP-14
RS8051	1	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	-40 to 125	SOT23-5,SC70-5,SOIC-8,MSOP-8
RS8052	2	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	-40 to 125	SOIC-8,MSOP-8,TDFN2X2-8L
RS8054	4	0.67	1.4	5.5	100	30	160	5	2.3	1	85	75	Yes	-40 to 125	SOIC-14,TSSOP-14

High Voltage Precision Operational Amplifier

Part Number	Amplifiers per Package	V_{OS}(Offset Voltage) Max@25°C (uV)	TC of V_{OS} Typ (uV/°C)	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	E_{NOISE} 0.01Hz~10Hz (uVpp)	E_{NOISE} Typ@1kHz (nV/√Hz)	A_{OL} Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (℃)	Package
RS8631	1	30	0.01	100	3.3	36	0.37	0.12	Out	125	EMI Hardened	0.75	45	120	120	-40 to 125	SOT23-5,SOIC-8
RS8632	2	30	0.01	100	3.3	36	0.37	0.12	Out	125	EMI Hardened	0.75	45	120	120	-40 to 125	SOIC-8,MSOP-8
RS8634	4	30	0.01	100	3.3	36	0.37	0.12	Out	125	EMI Hardened	0.75	45	120	120	-40 to 125	SOIC-14,TSSOP-14
RS8651	1	20	0.2	100	3.3	36	2	1	Out	900	EMI Hardened	0.45	40	120	120	-40 to 125	SOT23-5,SOIC-8
RS8652	2	10	0.005	100	3.3	36	2	1	Out	900	EMI Hardened	0.45	40	120	120	-40 to 125	SOIC-8,MSOP-8

*In design

High Voltage Precision Operational Amplifier

Part Number	Amplifiers per Package	V_{OS}(Offset Voltage) Max@25°C (uV)	TC of V_{OS} Typ (uV/°C)	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	E_{NOISE} 0.01Hz~10Hz (uVpp)	E_{NOISE} Typ@1kHz (nV/√Hz)	A_{OL} Typ (dB)	CMRR Typ (dB)	Operating Temperature Range (°C)	Package
RS8654	4	20	0.2	100	3.3	36	3	1	Out	900	EMI Hardened	0.45	14	120	120	-40 to 125	SOIC-14,TSSOP-14
RS8661	1	10	0.005	50	4.5	36	5	1.8	Out	1300	EMI Hardened	0.18	10	130	130	-40 to 125	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
RS07	1	50	3.0	1000	5.0	36	1.9	1.0	Out	1300	C_L Hardened	4.0	20	150	120	-40 to 125	SOIC-8

High Voltage General Purpose 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	V_{OS} Max@25°C (mV)	I_q/Amp Typ (uA)	E_{NOISE} Typ@1kHz (nV/√Hz)	IB Typ (pA)	A_{OL} Typ (dB)	Sink/Source Current Typ (mA)	Operating Temperature Range (°C)	Package
RS8401	1	3.0	36	0.23	0.11	Out	3.0	0.02	45	10	110	50	-40 to 125	SOT-23-5
RS8402	2	3.0	36	0.23	0.11	Out	3.0	0.02	45	10	110	50	-40 to 125	SOIC-8,MSOP-8
RS8404	4	3.0	36	0.23	0.11	Out	3.0	0.02	45	10	110	50	-40 to 125	SOIC-14,TSSOP-14
RS8411	1	3.0	36	1.2	0.67	Out	4.0	0.1	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

Instrumentation Amplifier

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

*In design

Nano Power Comparator

Part Number	Number of Channels (#)	Iq per channel (Typ) (nA)	Feature	Vs (Min) (V)	Vs (Max) (V)	Vos (Offset Voltage @ 25°C) (Max) (mV)	Propagation Delay (L to H) (μs)	Propagation Delay (H to L) (μs)	t_{Rise} (ns)	t_{Fall} (ns)	Output Type	Operating Temperature Range (°C)	Package
RS8901	1	400	N	1.4	5.5	3	40	9	240	260	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8905	2	400	N	1.4	5.5	3	40	9	240	260	Push-Pull	-40 to 125	SOIC-8,MSOP-8
RS8907	1	400	N	1.4	5.5	3.5	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

High Speed Comparator

Part Number	Comparators per Package	Iq/Comp Typ (μA)	t ,H to L @Vcc=5V $_{PD}$ (ns)	t ,L to H @Vcc=5V $_{PD}$ (ns)	Rise Time @Vcc=5V (ns)	Fall Time @Vcc=5V (ns)	Vos Max@25℃ (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

High Voltage Comparator

Part Number	Comparators per Package	Iq/Comp Typ (uA)	t, H toL @Vcc=5V PD(us)	t, L toH @Vcc=5V PD(us)	Vos Max@25℃ (mV)	Vcc (V)	Input Common Mode Voltage Range(V)	Logic Output	Operating Temperature Range (°C)	Package
LM331	1	230	0.4	0.9	4	3~32	-0.1~ Vs-1.5	Open-Drain(NFET)	-40 to 85	SOT-23-5
LM393	2	20	2	6.1	3.5	3~32	-0.1~ Vs-1.5	Open-Drain(NFET)	-40 to 85	SOIC-8,MSOP-8
LM2903	2	230	0.4	0.9	4	3.3~32	-0.1~ Vs-1.5	Open-Drain(NFET)	-40 to 85	SOIC-8,MSOP-8
LM2901	4	230	0.4	0.9	4	3.3~32	-0.1~ Vs-1.5	Open-Drain(NFET)	-40 to 85	SOIC-14,TSSOP-14

*In design

Analog Switch

Runic Technology provides customers with a series of low voltage analog switches, including a variety of single channel or multi-channel analog switch products, with low on-resistance (as low as 0.5 Ω), high speed, high performance, small packaging, rich selection etc., to better meet customer requirements.

Analog Switch

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

Special Switch Series

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

Linear Regulator

Runic Technology 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.

High Voltage Linear Regulator

Part Number	V_{IN} MIN (V)	V_{IN} MAX (V)	Output Current (mA)	Ground Current (No Load) (uA)	Dropout Voltage @I_{OUT}=1mA (mV)	PSRR @1kHz (dB)	Additional Feature Output current (mA)	V_{OUT} (V)	Operating Temperature Range (℃)	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

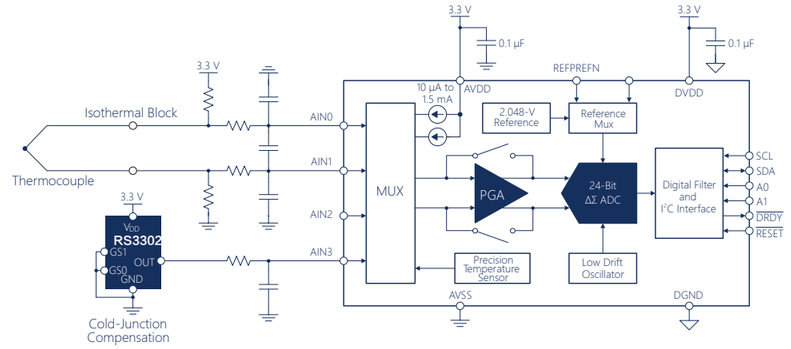
High Precision Linear Regulator

Part Number	V_{OUT} (V)	V_{IN} (V)	Output Current (mA)	Dropout Voltage (mV)	Ground Current (No Load) (uA)	Output Voltage Noise (uV_{RMS})	PSRR @1kHz (dB)	Operating Temperature Range (℃)	Package
RS3219	1.2,1.5,1.8,2.5,2.8,3.0,3.3,Adj	1.7~7.5	300	280	120	38	55	-40 to 85	SOT23-3,SOT23-5,UTDFN1×1-4
RS3221	0.8,1.0,1.2,1.5,1.8,2.05,2.5,2.8,3.0,3.3,3.6,4.0,5.0,Adj	1.7~7.5	200	210	1	—	30	-40 to 85	SOT23-3,UTDFN1×1-4,SOT23-5, SC70-5,SOT89-3
RS3236	0.8,1.0,1.2,1.5,1.8,2.05,2.5,2.8,3.0,3.3,3.6,4.0,5.0,Adj	1.7~7.5	500	450	30	80	70	-40 to 85	UTDFN1×1-4L,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,UTDFN1x1-4
RS3238*	1.8,30,3.3,Adj	1.7~7.5	1000	280	90	50	75	-40 to 85	DFN 1.2*1.6-8L,DFN 3*3-8L
RS3239*	1.8,30,3.3,Adj	1.7~7.5	2000	500	500	80	70	-40 to 85	SOIC-8,DFN 3*3-8L

*In design

Data Converter *

Runic Technology 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.



Analog-to-Digital Converter - Delta-Sigma ADC

Part Number	Resolution (Bits)	Sample Rate (max) (SPS)	# Input Channels	Multi-Channel Configuration	Interface	Integrated Features	Analog Voltage AVDD (Min) (V)	Analog Voltage AVDD (Max) (V)	Architecture	Operating Temperature Range (℃)	Description	Package
RS1259	24	14.4kSPS	1	N/A	SPI	50/60 Hz Rejection, Oscillator	4.75	5.25	Delta-Sigma	-40 to 105	24-Bit, 14.4kSPS, Delta-Sigma ADC	TSSOP
RS1240	24	15SPS	4	Multiplexed	SPI	50/60 Hz Rejection, GPIO, PGA	2.7	5.25	Delta-Sigma	-40 to 85	24-Bit ADC	SSOP
RS1241	24	15SPS	8	Multiplexed	SPI	50/60 Hz Rejection, GPIO, PGA	2.7	5.25	Delta-Sigma	-40 to 85	24-Bit ADC	SSOP
RS1246	24	2kSPS	1	N/A	SPI	50/60 Hz Rejection, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	24-Bit, 2kSPS, 2-Ch ADC	TSSOP
RS1247	24	2kSPS	4	Multiplexed	SPI	50/60 Hz Rejection, Excitation Current Sources (iDACs), GPIO, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	24-Bit, 2kSPS, 4-Ch ADC	TSSOP
RS1248	24	2kSPS	8	Multiplexed	SPI	50/60 Hz Rejection, Excitation Current Sources (iDACs), GPIO, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	24-Bit, 2kSPS, 8-Ch Delta-Sigma ADC	TSSOP
RS1234	24	80SPS	4	Multiplexed	SPI	50/60 Hz Rejection, Oscillator, PGA	2.7	5.3	Delta-Sigma	-40 to 105	24-Bit, Ultra-Low-Noise ADC	TSSOP
RS1232	24	80SPS	2	Multiplexed	SPI	50/60 Hz Rejection, Oscillator, PGA	2.7	5.3	Delta-Sigma	-40 to 105	24-Bit, Ultra-Low-Noise ADC	TSSOP
RS1231	24	80SPS	1	N/A	SPI	50/60 Hz Rejection, Oscillator	3	5.3	Delta-Sigma	-40 to 85	24-Bit, Low-Noise ADC	SOIC
RS1253	24	20kSPS	4	Multiplexed	SPI	50/60 Hz Rejection	4.75	5.25	Delta-Sigma	-40 to 85	24-Bit, 20kHz, Low-Power ADC	SSOP
RS1251	24	20kSPS	1	N/A	SPI	50/60 Hz Rejection	4.75	5.25	Delta-Sigma	-40 to 85	24-Bit, 20kHz, Low-Power ADC	SOIC
RS1220	24	2kSPS	4	Multiplexed	SPI	50/60 Hz Rejection, Excitation Current Sources (iDACs), Oscillator, PGA, Temp Sensor	2.3	5.5	Delta-Sigma	-40 to 125	24-Bit, 2kSPS, 4-Ch, Low-Power Delta-Sigma ADC	TSSOP, VQFN
RS1250	20	25kSPS	1	N/A	SPI	PGA	4.75	5.25	Delta-Sigma	-40 to 85	20-Bit Data Acquisition System ADC	SOIC
RS1230	20	80SPS	1	N/A	SPI	50/60 Hz Rejection, Oscillator, PGA	2.7	5.3	Delta-Sigma	-40 to 85	20-Bit Delta-Sigma ADC for Bridge Sensors	TSSOP
RS1130	18	80SPS	1	N/A	—	50/60 Hz Rejection, Oscillator	2.7	5.3	Delta-Sigma	-40 to 85	18-Bit ADC for Bridge Sensors	TSSOP
RS1120	16	2kSPS	4	Multiplexed	SPI	50/60 Hz Rejection, Excitation Current Sources (iDACs), Oscillator, PGA, Temp Sensor	2.3	5.5	Delta-Sigma	-40 to 125	16-Bit 2kSPS 4-Ch Low-Power Delta-Sigma ADC	TSSOP, VQFN
RS1148	16	2kSPS	8	Multiplexed	SPI	50/60 Hz Rejection, Excitation Current Sources (iDACs), GPIO, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	16-Bit 2kSPS 8-Ch ADC With PGA	TSSOP, VQFN
RS1146	16	2kSPS	1	N/A	I2C	50/60 Hz Rejection, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	16-Bit 2kSPS 1-Ch ADC With PGA for Precision Sensor Measurement	TSSOP
RS1147	16	2kSPS	4	Multiplexed	I2C	50/60 Hz Rejection, Excitation Current Sources (iDACs), GPIO, Oscillator, PGA, Temp Sensor	2.7	5.25	Delta-Sigma	-40 to 105	16-Bit 2kSPS 4-Ch ADC With PGA for Precision Sensor Measurement	TSSOP
RS1100	16	128SPS	1	N/A	I2C	Oscillator, PGA	2.7	5.5	Delta-Sigma	-40 to 85	16-Bit, 128SPS, 1-Ch Delta-Sigma ADC	SOT23

*In design

Logic & translation

Runic Technology offers a series of auto-direction voltage translators with different data rates to resolve voltage-level mismatch between system components. The little logic series is a very important component to simply board design. It is widely used in many applications, including PC, networking, industrial, automotive, etc.

Level Converter

Part Number	Translators per Package	Data Rate (Mbps)	V_{CCA} Range (V)	V_{CCB} Range (V)	Bidirectional	VCC Shutdown I/O State	Icc Max (uA)	Shutdown Icc Max (uA)	Logic Output	Features	Package
RS0101	1	24/2	1.65~5.5	2.3~5.5	Yes	Hi-Z	11	1	Open-Drain/Push-Pull	GPIO Level Shifter	SOT23-6,SC70-6,DFN1.45*1.0-6L
RS0102	2	24/2	1.65~5.5	2.3~5.5	Yes	Hi-Z	13	1	Open-Drain/Push-Pull	GPIO Level Shifter	SOT23-8.DFN2x3-8L, DFN-1.4x1-8L,VSSOP8
RS0104	4	24/2	1.65~5.5	2.3~5.5	Yes	Hi-Z	15	1	Open-Drain/Push-Pull	GPIO Level Shifter	TSSOP-14,QFN2x2-12L QFN2x1.7-12L,QFN3.5x3.5-14L
RS0108	8	24/2	1.65~5.5	2.3~5.5	Yes	Hi-Z	30	1	Open-Drain/Push-Pull	GPIO Level Shifter	TSSOP20 /QFN3x3-20L
RS0202	2	100	1.2~3.6	1.65~5.5	Yes	Hi-Z	15	1	Push-Pull	GPIO Level Shifter	DFN2x3-8L,MSOP-8
RS0204	4	100	1.2~3.6	1.65~5.5	Yes	Hi-Z	20	1	Push-Pull	GPIO Level Shifter	TSSOP-14,QFN2x1.7-12L /QFN3.5x3.5-14L
RS0208	8	100	1.2~3.6	1.65~5.5	Yes	Hi-Z	30	1	Push-Pull	GPIO Level Shifter	TSSOP20 /QFN3x3-20L
RS0302	2	100	1.2~5.5	1.8~5.5	Yes	Hi-Z	15	1	Open-Drain	I2C & SMBus Level Shifter	SOT23-8,DFN1.4x1.0-8L
RS1T34	1	200	1.65~5.5	1.65~5.5	Yes	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	SOT23-5,SC70-5
RS1T45	1	200	1.65~5.5	1.65~5.5	Yes	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	SOT23-6,SC70-6
RS2T45	2	200	1.65~5.5	1.65~5.5	Yes	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	SOT23-8,VSSOP-8,MSOP-8
RS4T245	4	200	1.65~5.5	1.65~5.5	Yes	Hi-Z	50	1	Push-Pull	GPIO Level Shifter	TSSOP-16,UQFN-16L,VQFN-16L
RS8T245	8	200	1.65~5.5	1.65~5.5	Yes	Hi-Z	50	1	Push-Pull	GPIO Level Shifter	TSSOP-24,SOIC-24

Little Logic Series

Part Number	Translators per Package	VCC Range (V)	Icc Max (uA)	Operating Temperature Range (℃)	Features	Pacakage
RS1G00	1	1.65~5.5	10	-40 to 125	Single Channel 2-Input NAND Gate	SOT23-5,SC70-5
RS2G00	2	1.65~5.5	10	-40 to 125	Dual Channel 2-Input NAND Gate	MSOP-8
RS4G00	4	1.65~5.5	10	-40 to 125	Quad Channel 2-Input NAND Gate	SOIC-14
RS1G04	1	1.65~5.5	10	-40 to 125	Single Channel Inverter	SOT23-5,SC70-5
RS2G04	2	1.65~5.5	10	-40 to 125	Dual Channel Inverter	SOT23-6,SC70-6
RS6G04	6	1.65~5.5	10	-40 to 125	Hex Channel Inverter	SOIC-14, TSSOP-14
RS1G06	1	1.65~5.5	10	-40 to 125	Single Channel Inverter with open drain output	SOT23-5,SC70-5
RS1G07	1	1.65~5.5	10	-40 to 125	Single Channel Non-inverting Buffer with Open-drain Output	SOT23-5,SC70-5
RS2G07	2	1.65~5.5	10	-40 to 125	Dual Channel Non-inverting Buffer with Open-drain Output	SOT23-6,SC70-6
RS6G07	6	1.65~5.5	10	-40 to 125	Hex Channel Non-inverting Buffer with Open-drain Output	SOIC-14, TSSOP-14

Little Logic Series

Part Number	Translators per Package	VCC Range (V)	Icc Max (uA)	Operating Temperature Range (℃)	Features	Pacakage
RS1G08	1	1.65~5.5	10	-40 to 125	Single Channel 2-Input AND Gate	SOT23,SOT23-5,SC70-5
RS2G08	2	1.65~5.5	10	-40 to 125	Dual Channel 2-Input AND Gate	MSOP-8
RS4G08	4	1.65~5.5	10	-40 to 125	Quad Channel 2-Input AND Gate	SOIC-14, TSSOP-14
RS1G14	1	1.65~5.5	10	-40 to 125	Single Channel Schmitt-Trigger Inverter	SOT23-5,SC70-5
RS2G14	2	1.65~5.5	10	-40 to 125	Dual Channel Schmitt-Trigger Inverter	SOT23-6,SC70-6
RS3G14	3	1.65~5.5	10	-40 to 125	Triple Channel Schmitt-Trigger Inverter	TSSOP-8, DFN1.4x1.0-8L
RS6G14	6	1.65~5.5	10	-40 to 125	Hex Channel Schmitt-Trigger Inverter	SOIC-14, TSSOP-14
RS1G17	1	1.65~5.5	10	-40 to 125	Single Channel Non-inverting Buffer	SOT23-5,SC70-5
RS2G17	2	1.65~5.5	10	-40 to 125	Dual Channel Non-inverting Buffer	SOT23-6,SC70-6
RS6G17	6	1.65~5.5	10	-40 to 125	Hex Channel Non-inverting Buffer	SOIC-14
RS1G32	1	1.65~5.5	10	-40 to 125	Single Channel 2-input OR Gate	SOT23-5,SC70-5
RS2G32	2	1.65~5.5	10	-40 to 125	Dual Channel 2-input OR Gate	MSOP-8
RS4G32	4	1.65~5.5	10	-40 to 125	Quad Channel 2-input OR Gate	SOIC-14
RS1G86	1	1.65~5.5	10	-40 to 125	Single Channel 2-input Exclusive-OR Gate	SOT23-5,SC70-5
RS2G86	2	1.65~5.5	10	-40 to 125	Dual Channel 2-input Exclusive-OR Gate	MSOP-8
RS4G86	4	1.65~5.5	10	-40 to 125	Quad Channel 2-input Exclusive-OR Gate	SOIC-14
RS1G125	1	1.65~5.5	10	-40 to 125	Single Active-Low Bus Buffer Gate With 3-State Output	SOT23-5,SC70-5
RS2G125	2	1.65~5.5	10	-40 to 125	Dual Active-Low Bus Buffer Gate With 3-State Output	TSSOP-8
RS4G125	4	1.65~5.5	10	-40 to 125	Quad Active-Low Bus Buffer Gate With 3-State Output	SOIC-14
RS1G126	1	1.65~5.5	10	-40 to 125	Single Active-High Bus Buffer Gate With 3-State Output	SOT23-5,SC70-5
RS2G126	2	1.65~5.5	10	-40 to 125	Dual Active-High Bus Buffer Gate With 3-State Output	TSSOP-8
RS4G126	4	1.65~5.5	10	-40 to 125	Quad Active-High Bus Buffer Gate With 3-State Output	SOIC-14
RS244	8	1.8~5.5	50	-40 to 125	Octal Buffer/Driver With 3-State Outputs	TSSOP-20,SOIC-20
RS245	8	1.8~5.5	50	-40 to 125	Octal Bus Transceivers With 3-State Outputs	TSSOP-20,SOIC-20

Voltage Reference

Runic Technology offers a series of voltage reference ICs with different precision and output voltages, which are widely used in consumer, medical, instruments, industrial, automotive and other fields.

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/℃	-40 to 150	SOT23
RS432	2.5	0.5% / 1%	2.5~36	4	0.5	50ppm/℃	-40 to 150	SOT23
RS421	1.18	0.5%	1.25~36	4	0.5	50ppm/℃	-40 to 150	SOT23
RS422	1.18	0.5%	1.25~36	4	0.5	50ppm/℃	-40 to 150	SOT23

DC/DC

Runic Technology offers a series of voltage reference ICs with different precision and output voltages, which are widely used in consumer, medical, instruments, industrial, automotive and other fields. 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	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

*In design

Load Switch

Runic Technology offers a series of load switches with high detection accuracy and different limiting current, which are widely used in medical instruments, PC, TV & STB, industrial control and other fields.

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

Supervisory Circuit

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

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

*In design