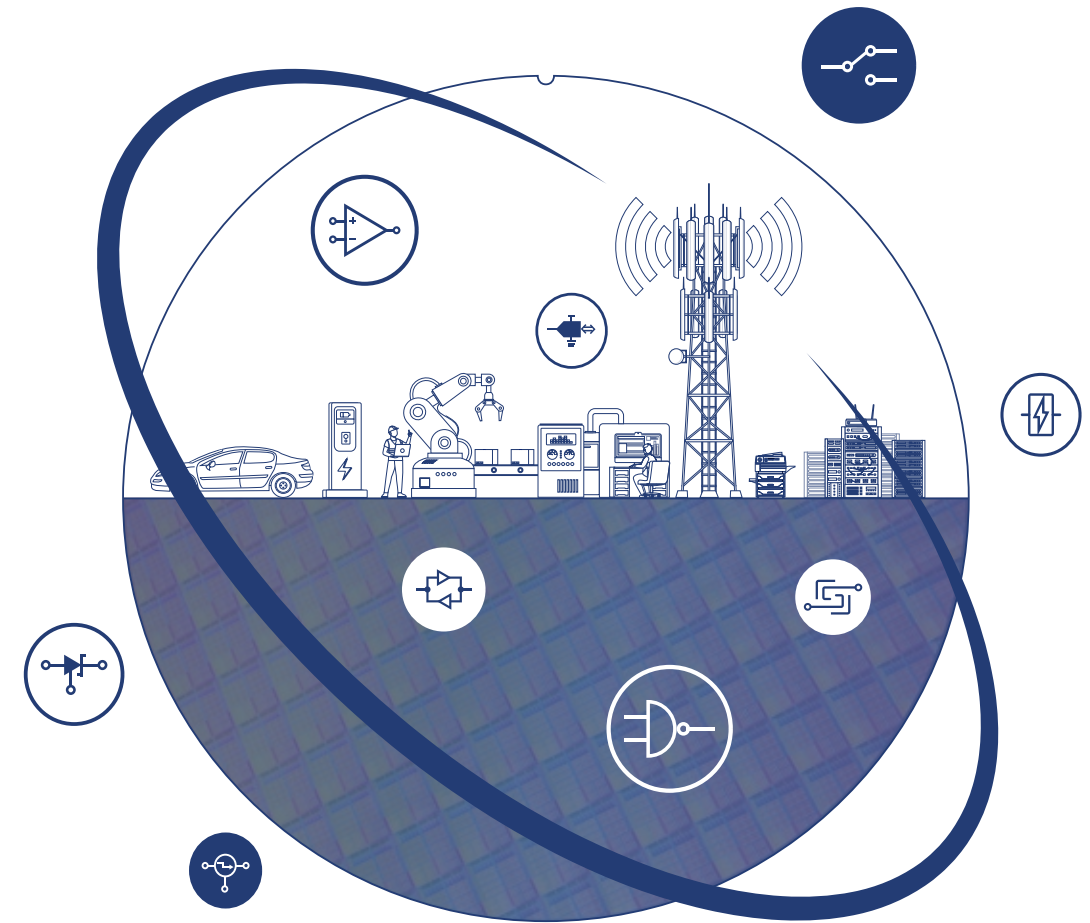


To Make Runic Chips Active In Every Corner of The World

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PRODUCT SELECTION GUIDE

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2024.09

— Focus on Analog Technology —

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.

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OPERATIONAL AMPLIFIER & COMPARATOR

Precision Operational Amplifier

Part Number	Amplifiers per Package	Vos(Offset Voltage) Max@25°C (uV)	TC of Vos Typ (uV/°C)	IB Typ (pA)	Enoise 0.01Hz~10Hz (uVpp)	Enoise Typ@1kHz (nV/√Hz)	Total Supply Voltage (V)	GBW Typ (MHz)	Slew Rate Typ (V/us)	Iq/Amp Typ (uA)	AOL Typ (dB)	CMRR Typ (dB)	Rail-to-Rail I/O	Additional Feature	Operating Temperature Range (°C)	Package
RS8491	1	400	5	0.05	5	16	5.0~25	3.3	2.1	1000	130	102	Out	Ultra low input bias current	-40 to 125	SOP8
RS8501*	1	20	0.05	5	25	—	2.2~5.5	0.015	0.01	5	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8502*	2	20	0.05	5	25	—	2.2~5.5	0.015	0.01	5	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS8504*	4	20	0.05	5	25	—	2.2~5.5	0.015	0.01	5	130	130	In,Out	EMI Hardened	-40 to 125	SOP14,TSSOP14
RS8511	1	40	0.05	50	1.6	70	2.3~5.5	0.35	0.17	60	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8512	2	40	0.05	50	1.6	70	2.3~5.5	0.35	0.17	60	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS8514	4	40	0.05	50	1.6	70	2.3~5.5	0.35	0.17	60	130	130	In,Out	EMI Hardened	-40 to 125	SOP14,TSSOP14
RS8521	1	5	0.005	10	3.2	140	2.3~5.5	0.35	0.17	60	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8522	2	5	0.005	10	3.2	140	2.3~5.5	0.35	0.17	60	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS8524	4	5	0.005	10	3.2	140	2.3~5.5	0.35	0.17	60	130	130	In,Out	EMI Hardened	-40 to 125	SOP14,TSSOP14
RS8531	1	5	0.1	100	0.15	/	2.5~5.5	3.7	0.7	1400	140	125	In,Out	EMI Hardened	-40 to 125	SOT23-5,SC70-5,DFN2X2-8
RS8532	2	5	0.1	100	0.15	/	2.5~5.5	3.7	0.7	1400	140	125	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS8538	1	5	0.005	50	1.3	60	2.5~5.5	1.6	0.7	180	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8539	2	5	0.005	50	1.3	60	2.5~5.5	1.6	0.7	180	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8
RS8541	1	30	0.08	330	0.9	45	2.0~5.5	0.35	0.16	40	130	120	In,Out	EMI Hardened	-40 to 125	SOT23-5,SC70-5
RS8542	2	30	0.08	330	0.9	45	2.0~5.5	0.35	0.16	40	130	120	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8
RS8551	1	5	0.005	50	0.75	35	2.7~5.5	4.5	2.7	640	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8551-Q1	1	50	0.05	50	0.93	45	2.7~5.5	4.3	2.5	650	120	120	In,Out	EMI Hardened	-40 to 125	SOT23-5
RS8552	2	5	0.005	50	0.75	35	2.7~5.5	4.5	2.7	640	130	130	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,DFN2X2-8

*Under Development Q1 AEC-Q100 qualified

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
RS8552-Q1	2	5	0.05	50	0.93	45	2.7~5.5	4.3	2.5	650	120	120	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8
RS8554	4	5	0.005	50	0.75	35	2.7~5.5	4.5	2.7	640	130	130	In,Out	EMI Hardened	-40 to 125	SOP14,TSSOP14
RS8557	1	20	0.03	50	0.93	45	2.7~5.5	4.3	2.5	650	120	120	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8557-Q1	1	50	0.05	50	0.93	45	2.7~5.5	4.3	2.5	650	120	120	In,Out	EMI Hardened	-40 to 125	SOT23-5
RS8558	2	20	0.03	50	0.93	45	2.7~5.5	4.3	2.5	650	120	120	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8
RS8559	4	20	0.03	50	0.93	45	2.7~5.5	4.3	2.5	650	120	120	In,Out	EMI Hardened	-40 to 125	SOP14,TSSOP14
RS8561	1	20	0.1	100	0.48	32	2.9~5.5	11	8.5	1300	120	120	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8,SOT23-5
RS8562	2	20	0.1	100	0.48	32	2.9~5.5	11	8.5	1300	120	120	In,Out	EMI Hardened	-40 to 125	SOP8,MSOP8
RS8564	4	20	0.1	100	0.48	32	2.9~5.5	11	8.5	1300	120	120	In,Out	EMI Hardened	-40 to 125	SOP14,TSSOP14
RS8581	1	5	0.1	50	0.8	35	2.7~5.5	5	3.4	730	130	130	In,Out	EMI Hardened	-40 to 125	SOT23-5
RS8621	1	400	5	10	4.3	14	5~32	2	1.2	1000	150	115	Out	EMI Hardened	-40 to 125	SOP8
RS8622	2	400	5	10	4.3	14	5~32	2	1.2	1000	150	115	Out	EMI Hardened	-40 to 125	SOP8
RS8631 *	1	30	0.01	50	0.75	45	3.3~36	0.37	0.12	125	120	120	Out	EMI Hardened	-40 to 125	SOP8,MSOP8
RS8632 *	2	30	0.01	50	0.75	45	3.3~36	0.37	0.12	125	120	120	Out	EMI Hardened	-40 to 125	SOP8,MSOP8
RS8634 *	4	30	0.01	50	0.75	45	3.3~36	0.37	0.12	125	120	120	Out	EMI Hardened	-40 to 125	SOP14,TSSOP14
RS8651	1	50	0.1	100	0.6	30	3.3~32	2	1	900	130	120	Out	EMI Hardened	-40 to 85	SOP8
RS8652	2	50	0.15	100	0.6	30	3.3~32	2	1	900	130	120	Out	EMI Hardened	-40 to 125	SOP8,MSOP8
RS8654	4	50	0.15	100	0.6	30	3.3~32	2	1	1000	130	120	Out	EMI Hardened	-40 to 125	SOP14
RS8661	1	25	0.1	300	0.2	8	4.5~36	11	15	2000	150	150	Out	EMI Hardened	-40 to 125	SOT23-5,SOP8
RS8662	2	25	0.1	300	0.2	8	4.5~36	11	15	2000	150	150	Out	EMI Hardened	-40 to 125	SOP8
RS8664	4	25	0.1	300	0.2	8	4.5~36	11	15	2000	150	150	Out	EMI Hardened	-40 to 125	SOP14
RS07 *	1	85	0.3	10	4	12	4.5~36	2.5	1.5	1200	140	120	Out	CL Hardened	-40 to 125	SOP8

High-Speed Operational Amplifier

Part Number	Amplifiers per Package	GBW Typ (MHz)	Iq/Amp Typ (mA)	Total Supply Voltage (V)	Vos Max@25°C (mV)	Slew Rate Typ (V/us)	Rail-to-Rail I/O	TC of Vos Typ (uV/°C)	Enoise Typ@1kHz (nV/√Hz)	IB Typ (pA)	AOL Typ (dB)	PSRR Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS8701	1	50	7	2.2~5.5	0.2	40	In,Out	1.6	4.4	50	124	107	100	Zero-Crossover	-40 to 125	SOT23-5
RS8701-Q1	1	50	7.6	2.2~5.5	0.2	40	In,Out	1.5	4.4	10	120	100	96	Zero-Crossover	-40 to 125	SOT23-5
RS8702	2	50	7	2.2~5.5	0.2	40	In,Out	1.6	4.4	50	124	107	100	Zero-Crossover	-40 to 125	SOP8,MSOP8
RS8702-Q1	2	50	7.6	2.2~5.5	0.2	40	In,Out	1.5	4.4	10	120	100	96	Zero-Crossover	-40 to 125	SOP8
RS8704	4	50	7	2.2~5.5	0.2	40	In,Out	1.6	4.4	50	124	107	100	Zero-Crossover	-40 to 125	SOP14
RS8751	1	250	2.9	2.5~5.5	7.5	180	Out	4	8	1	110	90	85	—	-40 to 125	SOT23-5
RS8752	2	250	2.9	2.5~5.5	7.5	180	Out	4	8	1	110	90	85	—	-40 to 125	SOP8,MSOP8,TSSOP8
RS8754	4	250	2.9	2.5~5.5	7.5	180	Out	4	8	1	110	90	85	—	-40 to 125	SOP14,TSSOP14
RS8761	1	250	8.3	2.7~5.5	2	180	In,Out	10	6	3	105	80	80	—	-40 to 125	SOT23-5
RS8762	2	250	8.3	2.7~5.5	2	180	In,Out	10	6	3	105	80	80	—	-40 to 125	SOP8,MSOP8,TSSOP8
RS8764	4	250	8.3	2.7~5.5	2	180	In,Out	10	6	3	105	80	80	—	-40 to 125	SOP14,TSSOP14

General Operational Amplifier

Part Number	Amplifiers per Package	Vos Max@25°C (mV)	Iq/Amp Typ (uA)	Total Supply Voltage (V)	GBW Typ (MHz)	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)	PSRR Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
LM2904	2	2.5	1300	3.0~36	1.2	0.5	/	8	38	15000	110	100	100	—	-40 to 125	SOP8,MSOP8,TSSOP8
LM358A	2	2.5	1300	3.0~36	1.2	0.5	/	8	38	15000	105	95	95	—	-40 to 125	SOP8,TSSOP8
RS121	1	5	12	2.5~5.5	0.15	0.05	In,Out	/	77	1	110	95	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	76	80	—	-40 to 125	SOT23-5,SC70-5
RS122	2	5	12	2.5~5.5	0.15	0.05	In,Out	/	77	1	110	95	95	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS124	4	5	12	2.5~5.5	0.15	0.05	In,Out	/	77	1	110	95	95	—	-40 to 125	SOP14,TSSOP14
RS221	1	3.5	26	2.5~5.5	0.5	0.18	In,Out	2.9	30	1	110	90	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	90	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS224	4	3.5	26	2.5~5.5	0.5	0.18	In,Out	2.9	30	1	110	90	90	—	-40 to 125	SOP14,TSSOP14
RS321	1	4.5	60	2.2~5.5	1.1	0.5	In,Out	2.9	23	1	100	85	80	—	-40 to 125	SOT23-5
RS321BK	1	4.5	85	2.5~5.5	1.0	0.45	In,Out	2.0	22	10	100	75	85	—	-40 to 125	SC70-5, SOT23-5
RS321BK-Q1	1	4.5	65	2.5~5.5	1.0	0.45	In,Out	2.0	/	10	110	75	85	—	-40 to 125	SC70-5

General Operational Amplifier

Part Number	Amplifiers per Package	Vos Max@25°C (mV)	Iq/Amp Typ (uA)	Total Supply Voltage (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)	PSRR Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS321P	1	0.5	85	2.1~5.5	1.1	0.5	In,Out	2.0	22	1	110	90	92	—	-40 to 125	SC70-5, SOT23-5
RS358A	2	4.5	60	2.5~5.5	1.1	0.5	In,Out	2.0	22	10	105	90	90	—	-40 to 125	SOP8,MSOP8,TSSOP8
RS324A	4	4.5	60	2.5~5.5	1.1	0.5	In,Out	2.0	22	10	105	90	90	—	-40 to 125	SOP14,TSSOP14
RS6331	1	3	58	2.2~5.5	1.1	0.5	In,Out	2	22	1	110	90	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	92	95	—	-40 to 125	SOT23-5
RS6331-Q1	1	1.0	62	2.2~5.5	1.4	0.5	In,Out	1	47	1	122	90	90	—	-40 to 125	SC70-5,SOT23-5
RS6331BP	1	0.5	85	2.1~5.5	1.1	0.5	In,Out	2	22	10	120	92	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	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	90	—	-40 to 125	SOP8,MSOP8,TSSOP8
RS6332-Q1	2	1.0	62	2.2~5.5	1.4	0.5	In,Out	1	47	1	122	90	90	—	-40 to 125	SOP8,MSOP8
RS6332P	2	0.5	85	2.1~5.5	1.1	0.5	In,Out	2	22	10	120	92	95	—	-40 to 125	SOP8,MSOP8
RS6332S	2	3.0	58	2.2~5.5	1.1	0.5	In,Out	2	22	1	110	90	90	Shutdown	-40 to 125	MSOP10
RS6334	4	3.0	58	2.2~5.5	1.1	0.5	In,Out	2	22	1	110	90	90	—	-40 to 125	SOP14,TSSOP14,QFN3X3-16
RS6334-Q1	4	1.0	62	2.2~5.5	1.4	0.5	In,Out	1	47	1	122	90	90	—	-40 to 125	SOP14,TSSOP14
RS6334P	4	0.8	85	2.1~5.5	1.1	0.5	In,Out	2	22	10	120	92	95	—	-40 to 125	SOP14,TSSOP14
RS8401 *	1	3.0	20	3.0~36	0.23	0.11	Out	3	45	10	110	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	110	—	-40 to 125	SOP8,MSOP8
RS8404 *	4	3.0	20	3.0~36	0.23	0.11	Out	3	45	10	110	110	110	—	-40 to 125	SOP14,TSSOP14
RS8411	1	4.0	150	3.0~36	1.2	0.67	Out	3	45	10	115	120	110	—	-40 to 125	SOT23-5
RS8411BP	1	1.5	150	3.0~36	1.2	0.67	Out	3	45	10	115	120	110	—	-40 to 125	SOT23-5
RS8411-Q1	1	2.0	120	3.0~32	1.2	0.67	Out	3	45	10	115	120	110	—	-40 to 125	SOT23-5
RS8412	2	4.0	150	3.0~36	1.2	0.67	Out	3	45	10	115	120	110	—	-40 to 125	SOP8,MSOP8
RS8412-Q1	2	2.0	120	3.0~32	1.2	0.67	Out	3	45	10	115	120	110	—	-40 to 125	SOP8,MSOP8,TSSOP8
RS8412P	2	1.5	150	3.0~36	1.2	0.67	Out	3	45	10	115	120	110	—	-40 to 125	SOP8,MSOP8
RS8414	4	4.0	150	3.0~36	1.2	0.67	Out	3	45	10	115	120	110	—	-40 to 125	SOP14,TSSOP14
RS8414P	4	1.5	150	3.0~36	1.2	0.67	Out	3	45	10	115	120	110	—	-40 to 125	SOP14,TSSOP14
RS8414-Q1	4	2.0	120	3.0~26	1.2	0.67	Out	3	45	10	115	120	110	—	-40 to 125	SOP14,TSSOP14
RS8417 *	1	1.0	150	4~36	1.5	4.5	In,Out	2	35	500	135	120	135	RRIO,High slew rate	-40 to 125	SOT23-5
RS8418 *	2	1.0	150	4~36	1.5	4.5	In,Out	2	35	500	135	120	135	RRIO,High slew rate	-40 to 125	SOP8,MSOP8
RS8419 *	4	1.0	150	4~36	1.5	4.5	In,Out	2	35	500	135	120	135	RRIO,High slew rate	-40 to 125	SOP14,TSSOP14

General Operational Amplifier

Part Number	Amplifiers per Package	Vos Max@25°C (mV)	Iq/Amp Typ (uA)	Total Supply Voltage (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)	PSRR Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS8422	2	3.0	1800	4.4~36	5.0	3.0	Out	5	44	10	100	120	110	—	-40 to 125	SOP8,MSOP8
RS8422P	2	1.5	1800	4.4~36	5.0	3.0	Out	5	44	10	100	120	110	—	-40 to 125	SOP8,MSOP8
RS8424	4	3.0	1800	4.4~36	5.0	3.0	Out	5	44	10	100	120	110	—	-40 to 125	SOP14,TSSOP14
RS8441 *	1	3.5	440	3.0~32	3.8	15	Out	2	30	10	120	120	120	High slew rate	-40 to 125	SOT23-5
RS8442	2	3.5	440	3.0~32	3.8	15	Out	2	30	10	120	120	120	High slew rate	-40 to 125	SOP8,MSOP8
RS8442-Q1	2	3.5	440	3.0~32	3.8	15	Out	2	30	10	120	120	120	High slew rate	-40 to 125	SOP8,MSOP8
RS8444	4	3.5	440	3.0~32	3.8	15	Out	2	30	10	120	120	120	High slew rate	-40 to 125	SOP14,TSSOP14
RS8444-Q1	4	3.5	440	3.0~32	3.8	15	Out	2	30	10	120	120	120	High slew rate	-40 to 125	SOP14,TSSOP14
RS8447 *	1	2.5	500	4~36	5	23	In,Out	2	22	500	130	115	120	High slew rate	-40 to 125	SOT23-5
RS8448 *	2	2.5	500	4~36	5	23	In,Out	2	22	500	130	115	120	High slew rate	-40 to 125	SOP8,MSOP8
RS8449 *	4	2.5	500	4~36	5	23	In,Out	2	22	500	130	115	120	High slew rate	-40 to 125	SOP14,TSSOP14
RS8452	2	3.0	3000	5~36	8.0	5.0	Out	5	35	10	100	110	110	—	-40 to 125	SOP8,MSOP8
RS8452-Q1	2	2.3	3000	5~32	8.0	5.0	Out	5	35	10	100	110	110	—	-40 to 125	SOP8,MSOP8
RS8452P	2	1.5	3000	5~36	8.0	5.0	Out	5	35	10	100	110	110	—	-40 to 125	SOP8,MSOP8
RS8454-Q1	4	2.3	3000	5~26	8.0	5.0	Out	5	35	10	100	110	110	—	-40 to 125	SOP14
RS8454P	4	1.5	3000	5~36	8.0	5.0	Out	5	35	10	100	110	110	—	-40 to 125	SOP14,TSSOP14
RS8461P	1	1.0	2200	4.5~32	10.0	24.0	Out	3.4	40	10	124	101	110	High slew rate	-40 to 125	SOT23-5
RS8462P	2	1.0	2200	4.5~32	10.0	24.0	Out	3.4	40	10	124	101	110	High slew rate	-40 to 125	SOP8
RS8464P	4	1.0	2200	4.5~32	10.0	24.0	Out	3.4	40	10	124	101	110	High slew rate	-40 to 125	SOP14
RS8467 *	1	2.5	2100	4~36	9	36	In,Out	2	20	100	130	115	115	High slew rate	-40 to 125	SOT23-5
RS8468 *	2	2.5	2100	4~36	9	36	In,Out	2	20	100	130	115	115	High slew rate	-40 to 125	SOP8,MSOP8
RS8469 *	4	2.5	2100	4~36	9	36	In,Out	2	20	100	130	115	115	High slew rate	-40 to 125	SOP14,TSSOP14
RS8471	1	4.5	5500	4.5~24	25	65	In,Out	6	45	100	130	90	68	High slew rate, High peak output current	-40 to 85	DFN3X3-8

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 (mA)	Total Supply Voltage (V)	Rail-to-Rail I/O	Vos Max@25°C (mV)	TC of Vos Typ (uV/°C)	IB Typ (pA)	AOL Typ (dB)	PSRR Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS521	1	15	3.6	1.8	0.26	2.5~5.5	In,Out	3	2	1	110	86	87	—	-40 to 125	SOT23-5
RS522	2	15	3.6	1.8	0.26	2.5~5.5	In,Out	3	2	1	110	86	87	—	-40 to 125	SOP8,MSOP8
RS524	4	15	3.6	1.8	0.26	2.5~5.5	In,Out	3	2	1	110	86	87	—	-40 to 125	SOP14,TSSOP14
RS621	1	11	7	3.7	0.625	2.5~5.5	In,Out	3	2	1	106	93	92	—	-40 to 125	SOT23-5,SC70-5
RS621P	1	11	7	3.7	0.72	2.5~5.5	In,Out	0.5	2	1	110	96	96	—	-40 to 125	SOT23-5
RS621-Q1	1	14	7	4.3	0.6	2.5~5.5	In,Out	1.5	2.3	1	127	90	94	—	-40 to 125	SOT23-5
RS622	2	11	7	3.7	0.6	2.5~5.5	In,Out	3	2	1	106	93	92	—	-40 to 125	SOP8,MSOP8,TSSOP8,DFN2X2-8,DFN3X3-8
RS622A	2	11	7	3.7	0.75	2.5~5.5	In,Out	3	2	1	106	93	92	High output current	-40 to 125	SOP8,MSOP8,TSSOP8
RS622P	2	11	7	3.7	0.72	2.5~5.5	In,Out	0.5	2	1	110	96	96	—	-40 to 125	SOP8,MSOP8
RS622-Q1	2	14	7	4.3	0.625	2.5~5.5	In,Out	1.5	2.3	1	127	90	94	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS624	4	11	7	3.7	0.6	2.5~5.5	In,Out	3	2	1	106	93	92	—	-40 to 125	SOP14,TSSOP14,DFN3X2-14,QFN3X3-16
RS624P	4	11	7	3.7	0.72	2.5~5.5	In,Out	0.5	2	1	110	96	96	—	-40 to 125	SOP14,TSSOP14
RS721	1	9.5	10	7	1.15	2.5~5.5	In,Out	2.5	2.6	1	96	85	85	—	-40 to 125	SOT23-5,SC70-5,DFN2X2-6
RS721P	1	9.5	10	6	1.1	2.5~5.5	In,Out	0.5	2.6	1	110	97	97	—	-40 to 125	SOT23-5,SC70-5
RS721P-Q1	1	—	13	8	1.15	2.7~5.5	In,Out	1.5	2.6	1	127	93	90	—	-40 to 125	SOT23-5
RS721S	1	9.5	10	7	1.15	2.5~5.5	In,Out	2.5	2.6	1	96	85	85	—	-40 to 125	SOT23-6
RS722	2	9.5	10	7	1.15	2.5~5.5	In,Out	2.5	2.6	1	96	85	85	—	-40 to 125	SOP8,MSOP8,DFN2X2-8,DFN3X3-8
RS722P	2	9.5	10	6	1.1	2.5~5.5	In,Out	0.5	2.6	1	110	97	97	—	-40 to 125	SOP8,MSOP8
RS722P-Q1	2	—	13	8	1.15	2.7~5.5	In,Out	1.5	2.6	1	127	93	90	—	-40 to 125	SOP8,MSOP8
RS724	4	9.5	10	7	1.15	2.5~5.5	In,Out	2.5	2.6	1	96	85	85	—	-40 to 125	SOP14,TSSOP14
RS724P	4	9.5	10	6	1.1	2.5~5.5	In,Out	0.8	2.6	1	110	97	97	—	-40 to 125	SOP14,TSSOP14
RS724-Q1	4	—	13	8	1.15	2.7~5.5	In,Out	3	2.6	1	127	93	90	—	-40 to 125	SOP14,TSSOP14
RS821	1	8.5	14	10	1.9	2.5~5.5	In,Out	2.5	1.6	1	100	88	88	—	-40 to 125	SOT23-5
RS821S	1	8.5	14	10	1.9	2.5~5.5	In,Out	2.5	1.6	1	100	88	88	Shutdown	-40 to 125	SOT23-6
RS822	2	8.5	14	10	1.9	2.5~5.5	In,Out	2.5	1.6	1	100	88	88	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS822S	2	8.5	14	10	1.9	2.5~5.5	In,Out	2.5	1.6	1	100	88	88	Shutdown	-40 to 125	MSOP10
RS824	4	8.5	14	10	1.9	2.5~5.5	In,Out	2.5	1.6	1	100	88	88	—	-40 to 125	SOP14,TSSOP14
RS8701	1	4.4	50	40	7.0	2.2~5.5	In,Out	0.2	1.6	50	124	107	100	Zero-Crossover	-40 to 125	SOT23-5
RS8701-Q1	1	4.4	50	40	7.6	2.2~5.5	In,Out	0.2	1.5	10	120	100	96	Zero-Crossover	-40 to 125	SOT23-5

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 (mA)	Total Supply Voltage (V)	Rail-to-Rail I/O	Vos Max@25°C (mV)	TC of Vos Typ (uV/°C)	IB Typ (pA)	AOL Typ (dB)	PSRR Typ (dB)	CMRR Typ (dB)	Additional Feature	Operating Temperature Range (°C)	Package
RS8702	2	4.4	50	40	7.0	2.2~5.5	In,Out	0.2	1.6	50	124	107	100	Zero-Crossover	-40 to 125	SOP8,MSOP8
RS8702-Q1	2	4.4	50	40	7.6	2.2~5.5	In,Out	0.2	1.5	10	120	100	96	Zero-Crossover	-40 to 125	SOP8
RS8704	4	4.4	50	40	7.0	2.2~5.5	In,Out	0.2	1.6	50	124	107	100	Zero-Crossover	-40 to 125	SOP14

Nano Power Operational Amplifier

Part Number	Amplifiers per Package	Iq/Amp Typ (uA)	Total Supply Voltage (V)	GBW Typ (KHz)	Slew Rate Typ (V/ms)	Enoise Typ@1kHz (nV/√Hz)	Vos Max@25°C (mV)	TC of Vos Typ (uV/°C)	IB Typ (pA)	AOL Typ (dB)	PSRR Typ (dB)	CMRR Typ (dB)	Rail-to-Rail I/O	Additional Feature	Operating Temperature Range (°C)	Package
RS8021	1	0.4	1.4~5.5	5	1.5	360	3	2.3	1	106	70	90	Yes	—	-40 to 125	SOT23-5
RS8031	1	0.8	1.4~5.5	15	7.5	160	4	2.3	1	106	70	90	Yes	—	-40 to 125	SOT23-5
RS8032	2	0.8	1.4~5.5	15	7.5	160	4	2.3	1	106	70	90	Yes	—	-40 to 125	SOP8,MSOP8
RS8034	4	0.8	1.4~5.5	15	7.5	160	4	2.3	1	106	70	90	Yes	—	-40 to 125	SOP14,TSSOP14
RS8041B	1	1.1	1.4~5.5	15	6.5	280	4	2	2	105	90	73	Yes	—	-40 to 125	SOT23-5,SC70-5
RS8051	1	0.67	1.4~5.5	100	30	160	5	2.3	1	85	70	75	Yes	—	-40 to 125	SOT23-5
RS8052	2	0.67	1.4~5.5	100	30	160	5	2.3	1	85	70	75	Yes	—	-40 to 125	SOP8,MSOP8,DFN2X2-8
RS8054	4	0.67	1.4~5.5	100	30	160	5	2.3	1	85	70	75	Yes	—	-40 to 125	SOP14,TSSOP14

Instrumentation Amplifier

Part Number	Common Mode Voltage (V)	Supply Voltage (V)	Input Offset (+-)(Max) (uV)	Input Offset Drift (+-)(Typ) (uV/°C)	Gain (V/V)	Gain Error (Typ) (%)	Gain vs Temperature (Typ) (ppm/°C)	CMRR (Min) (dB)	Bandwidth at min Gain (kHz)	Slew Rate Typ @G=10 (V/μs)	Iq (Max) (mA)	Operating Temperature Range (°C)	Package
RS631B	(V-)+0.6V ~ (V+)-1.5V	4.6~32	150	10	10,50,100	0.21	18	90	900	1.1	3.4	-40 to 125	SOP8
RS633	(V+)-0.1~(V-)+0.1	2.3~5.5	15+150/G	1.5	10,20,50,100	0.15	15	95	150	0.2	0.165	-40 to 125	MSOP8

Current-sense Amplifier

Part Number	Common Mode Voltage (V)	Supply Voltage (V)	Input Offset (+/-)(Max) (uV)	Input Offset Drift (+/-)(Typ) (uV/C)	Gain (V/V)	Gain Error (%)	Gain vs Temperature (Typ) (ppm/°C)	CMRR (Min) (dB)	Bandwidth at min Gain (kHz)	Slew Rate Typ @G=10 (V/μs)	Iq (Max) (mA)	Operating Temperature Range (°C)	Package
RS181	-0.1~26	3~5.5	130	0.5	20,50,100	0.15	4.5	117	400	2.0	0.27	-40 to 125	SOT23-6
RS186 *	-0.2~40	2.7~5.5	50	0.5	25, 50, 100, 200, 500	1	2	120	45	0.3	0.09	-40 to 125	SOT23-6, SC70-6
RS199	0~26	2.7~26	350	2	50,100,200	0.4	10	85	25	0.12	0.10	-40 to 125	SC70-6
RS199-Q1	0~26	2.7~26	350	2	50	0.4	10	85	25	0.12	0.10	-40 to 125	SC70-6
RSA240 *	-4.0~80	2.7~5.5	25	0.5	20,50,100,200	0.2	0.5	120	400	2.0	2.6	-40 to 125	SOP8
RSA4080	5.0~76	5.0~76	400	/	20,50,60,100	0.1	/	140	180	/	0.15	-40 to 125	SOP8
RSA4081	5.0~76	5.0~76	400	/	20,50,60,100	0.1	/	140	180	/	0.16	-40 to 125	SOP8
RS381 *	-0.2~26	2.7~5.5	500	0.1	20,50,100,200	1	1.5	100	350	2.0	0.45	-40 to 125	SOP14

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)	T _{Rise} @Vcc=5V (ns)	T _{Fall} @Vcc=5V (ns)	Logic Output Type	Operating Temperature Range (°C)	Package
RS8901	1	400	N	1.4~5.5	3	21	9	240	260	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8905	2	400	N	1.4~5.5	3	21	9	240	260	Push-Pull	-40 to 125	SOP8,MSOP8
RS8905-Q1	2	400	N	1.4~5.5	3	21	9	240	260	Push-Pull	-40 to 125	MSOP8
RS8907	1	400	N	1.4~5.5	3	21	9	240	260	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8907-Q1	1	400	N	1.4~5.5	3	21	9	240	260	Push-Pull	-40 to 125	SOT23-5
RS8912	1	4850	1.2V Ref Out	2.5~5.5	3.5	10	10	12000	12000	Push-Pull	-40 to 125	SOT23-6,DFN1.6X1.6-6

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	(V-)-0.1~(V+)+0.1	2.7~5.5	20	25	30	2	2	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8906*	1	1300	(V-)-0.1~(V+)+0.1	2.7~5.5	5	6	6	8	6	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8908*	1	22	(V-)-0.1~(V+)+0.1	2.7~5.5	5	95	120	8	6	Push-Pull	-40 to 125	SOT23-5,SC70-5
RS8910*	2	22	(V-)-0.1~(V+)+0.1	2.7~5.5	5	95	120	8	6	Push-Pull	-40 to 125	SOP8,MSOP8
RS8911*	1	150	(V-)-0.1~(V+)-1.2	2.7~5.5	5	30	22	11	8	Push-Pull	-40 to 125	SOT23-5
RS8920	2	186	(V-)~(V+)-1.5	2.8~36	3.5	40	—	/	10	Open-Drain(NFET)	-40 to 125	SOP8,MSOP8
RS8931	1	2500	(V-)-0.2~(V+)+0.2	2.7~5.5	5	10	10	2.2	2.5	Push-Pull	-40 to 125	SOT23-5
RS8932	2	2500	(V-)-0.2~(V+)+0.2	2.7~5.5	5	10	10	2.2	2.5	Push-Pull	-40 to 125	SOP8
RS331	1	50	(V-)-0.1~(V+)+0.1	1.8~5.5	3.5	185	700	/	42	Open-Drain(NFET)	-40 to 125	SOT23-5
RS331-Q1	1	60	(V-)-0.1~(V+)+0.1	1.8~5.5	4.5	120	320	/	20	Open-Drain(NFET)	-40 to 125	SOT23-5
RS393	2	50	(V-)-0.1~(V+)+0.1	1.8~5.5	3.5	185	700	/	42	Open-Drain(NFET)	-40 to 125	SOP8,MSOP8
RS393-Q1	2	50	(V-)-0.1~(V+)+0.1	1.8~5.5	3.5	185	700	/	42	Open-Drain(NFET)	-40 to 125	SOP8
RS339	4	50	(V-)-0.1~(V+)+0.1	1.8~5.5	3.5	185	700	/	42	Open-Drain(NFET)	-40 to 125	SOP14,TSSOP14
LM331	1	65	(V-)+0.5~(V+)-1.5	3.0~32	7.5	300	300	/	/	Open-Drain(NFET)	-40 to 125	SOT23-5
LM393	2	20	(V-)~(V+)-1.5	3.0~32	4.5	2000	6100	/	/	Open-Drain(NFET)	-40 to 125	SOP8
LM2903	2	55	(V-)~(V+)-1.5	3.3~32	3.5	500	1600	/	/	Open-Drain(NFET)	-40 to 125	SOP8,MSOP8
LM2903H	2	55	(V-)~(V+)-1.5	3.8~36	4.5	250	600	/	/	Open-Drain(NFET)	-40 to 125	SOP8,MSOP8
LM2903V	2	190	(V-)~(V+)-1.5	3.3~32	3.5	300	600	/	/	Open-Drain(NFET)	-40 to 125	SOP8,MSOP8
LM2903-Q1	2	55	(V-)~(V+)-1.5	3.3~32	4.5	500	1600	/	/	Open-Drain	-40 to 125	SOP8,MSOP8,TSSOP8
LM2901	4	45	(V-)~(V+)-1.5	3.3~32	4.5	400	800	/	/	Open-Drain(NFET)	-40 to 125	SOP14,TSSOP14
LM2901V	4	190	(V-)~(V+)-1.5	3.3~32	3.5	300	600	/	/	Open-Drain(NFET)	-40 to 125	SOP14,TSSOP14
LM2901-Q1	4	45	(V-)~(V+)-1.5	3.3~32	4.5	400	800	/	/	Open-Drain	-40 to 125	SOP14,TSSOP14

ANALOG SWITCHES

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
RS2056	1	1:2	0.9	100	1.65	5.5	1	2.0	1.0	11	7	-40 to 125	SC70-6,SOT23-6
RS2057	1	1:2	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40 to 125	SC70-6,SOT23-6
RS2057A	1	1:2	4.5	340	1.65	5.5	1	0.7V _{CC}	0.3V _{CC}	8	8	-40 to 125	SC70-6,SOT23-6
RS2057A-Q1 *	1	1:2	4.5	340	1.65	5.5	1	0.7V _{CC}	0.3V _{CC}	8	8	-40 to 125	SC70-6
RS2058	2	1:2	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40 to 125	MSOP10,UQFN1.4X1.8-10
RS2099	4	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	QFN3X3-16,TSSOP16
RS2101	1	1:2	3.0	120	1.8	5.5	1	1.5	0.6	29	17	-40 to 125	SC70-6
RS2102	2	1:2	3.0	120	1.8	5.5	1	1.5	0.6	29	17	-40 to 125	MSOP10
RS2103	1	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	SC70-6,SOT23-6,MSOP8
RS2105	2	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	MSOP10,DFN3X3-10
RS2117H	2	1:2	4	250	2.5	5.5	1	1.5	0.5	25	20	-40 to 85	UQFN1.4X1.8-10,MSOP10
RS2118H	2	1:2	0.8	80	2.5	5.5	1	1.5	0.5	33	54	-40 to 85	UQFN1.4X1.8-10
RS2166	1	1:1	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40 to 125	SOT23-5, SC70-5
RS2227	2	1:2	6	550	1.8	5.5	1	1.6	0.5	20	15	-40 to 85	MSOP10,UQFN1.4X1.8-10
RS2228	2	1:2	6	550	1.8	5.5	1	1.6	0.5	20	15	-40 to 85	UQFN1.4X1.8-10,MSOP10
RS2229 *	2	1:2	6	550	1.8	5.5	1	1.6	0.4	50	40	-40 to 85	UQFN2.0X1.5-10
RS2233	4	1:2	8	220	1.8	5.5	1	2.0	0.5	13	30	-40 to 125	TSSOP16,SOP16,SSOP16
RS2233A *	4	1:2	8	400	1.65	3.6	1	2.0@3.3V	0.8@3.3V	8	8	-40 to 125	TSSOP16,UQFN-2.6*1.8-16
RS2233-Q1	4	1:2	8	220	1.8	5.5	1	2.0	0.5	13	30	-40 to 125	TSSOP16

*Under Development Q1 AEC-Q100 qualified

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
RS2236 *	6	1:2	4.5	350	1.2	3.6	3	1.2 @3.3V	0.65 @3.3V	5	5	-40 to 125	TSSOP24,QFN4X4-24
RS2251	1	1:8	48	180	2.5	5.5	3	1.7	0.5	65	80	-40 to 125	SOP16,TSSOP16,QFN3X3-16
RS2251-Q1	1	1:8	48	180	2.5	5.5	3	1.7	0.5	65	150	-40 to 125	TSSOP16
RS2251F	1	1:8	53	200	2.5	5.5	3	1.8	0.7	70	100	-40 to 125	SOP16,TSSOP16,QFN3X3-16
RS2252	2	1:4	48	180	2.5	5.5	1	1.7	0.5	70	80	-40 to 125	SOP16,TSSOP16,QFN3X3-16
RS2252F	2	1:4	53	200	2.5	5.5	3	1.8	0.7	70	100	-40 to 125	SOP16,SSOP16,TSSOP16,QFN3X3-16
RS2253	3	1:2	48	180	2.5	5.5	1	1.7	0.5	90	70	-40 to 125	SOP16,SSOP16,TSSOP16,QFN3X3-16
RS2254	4	1:1	24	180	2.5	5.5	1	1.7	0.5	90	70	-40 to 125	TSSOP14,SOP14
RS2255	1	1:4	24	180	2.5	5.5	1	1.7	0.5	90	70	-40 to 125	MSOP10
RS2257	1	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	SC70-6,SOT23-6
RS2259	4	1:1	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	TSSOP16
RS2259B	4	1:1	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	TSSOP16
RS2260	1	1:8	105	150	2.0	6.0	2	3.5	1.5	14.5	121.5	-40 to 125	SOP16,TSSOP16,QFN2.5X3.5-16
RS2260-Q1	1	1:8	105	150	2.0	6.0	/	3.5	1.5	14.5	121.5	-40 to 125	TSSOP16,QFN2.5X3.5-16
RS2266	2	1:1	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40 to 125	DFN2x3-8,MSOP8
RS2268	4	1:1	4.5	300	1.8	5.5	4	1.5	0.6	30	25	-40 to 125	TSSOP14,SSOP16
RS2274	2	1:4	5@3.3V	550	2.5	4.4	8	1	0.35	200	90	-40 to 125	QFN3X3-16,UQFN2.6X1.8-16
RS2299	4	1:2	4.5	300	1.8	5.5	1	1.5	0.6	30	25	-40 to 125	QFN3X3-16
RS2323	2	1:2	0.6	30	1.8	5.5	1	1.5	0.6	50	15	-40 to 125	UQFN1.4X1.8-10
RS23151 *	1	1:8	50 @10V	200	3.0	12	8	0.7V _{CC}	0.3V _{CC}	35	20	-40 to 125	TSSOP16,QFN3X3-16
RS23167 *	1	1:16	50 @10V	120	3.0	12	15	0.7V _{CC}	0.3V _{CC}	35	20	-40 to 125	TSSOP24,QFN3.5X5.5-24
RS23251 *	1	1:8	60 @24V	300	4.0	24	25	1.6	0.8	60	60	-40 to 125	TSSOP16,QFN3.5X2.5-16
RMUX1309-Q1 *	2	1:4	80	400	1.65	5.5	3	1.6	0.8	30	30	-40 to 125	TSSOP16,QFN3.5X2.5-16

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,DFN3X3-8

*Under Development Q1 AEC-Q100 qualified

INTERFACE

RS-485 & RS-232

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

GPIO/I²C Expander

Part Number	Function	Interface	Feature	Vcc (Min) (V)	Vcc (Max) (V)	I ² C Rate (Max) (kbps)	ICC (mA)	ESD HBM (kV)	ESD CDM (kV)	Operating Temperature Range (°C)	Package
RS29535	GPIO Expander	I2C and SMBus	Interrupt Output	1.65	5.5	400	0.051	2	1.5	-40 to 125	TSSOP24
RS29555	GPIO Expander	I2C and SMBus	Interrupt Output	1.65	5.5	400	0.051	2	1	-40 to 125	TSSOP24
RS29539	GPIO Expander	I2C and SMBus	Interrupt Output/Reset	1.65	5.5	400	0.051	2	1	-40 to 125	TSSOP24

LVDS Driver/Receiver

Part Number	Function	Vcc (Min) (V)	Vcc (Max) (V)	Iq (Typ) (mA)	Output Frequency (Max) (MHz)	Output Current (Source) (mA)	Differential Propagation Delay (Max) (ns)	Differential Pulse Skew (Max) (ns)	Output Type	Operating Temperature Range (°C)	Package
RS90LV011	LVDS Differential Driver	3	3.6	4.5	250	4.5	1.5	0.7	Differential	-40 to 85	SOT23-5
RS90LV011B	LVDS Differential Driver with Power Off Protection	3	3.6	0.7	250	6	1.5	0.7	Differential	-40 to 85	SOT23-5
RS90LV012	LVDS Differential Line Receiver	2.7	3.6	4.2	250	50	3.5	0.4	TTL	-40 to 85	SOT23-5
RS90LV047A*	LVDS Differential Line Driver	3	3.6	4	250	4.2	1.5	0.7	LVDS	-40 to 85	SOP16,TSSOP16
RS90LV048A*	LVDS Differential Line Receiver	3	3.6	9	250	47	1.5	0.7	LVTTTL, TTL	-40 to 85	SOP16,TSSOP16
RS90LV049*	LVDS Differential Line Transceiver	3	3.6	35	200	6	1.5	0.7	LVTTTL, TTL	-40 to 85	TSSOP16

*Under Development

CLOCK & TIMING

Clock & Timing

Part Number	Function	Vcc (Min) (V)	Vcc (Max) (V)	Iq (Typ) (mA)	Output Frequency (Max) (MHz)	Output Current (Source) (mA)	Output Current (Sink) (mA)	Output Type	Operating Temperature Range (°C)	Package
RS555	General-purpose timer	3	16	0.23	6	100	10	CMOS	-40 to 125	SOP8
RS9112C	LVC MOS Clock Buffer	2.5/3.3	2.5/3.3	1.5/3.5	180/250	8/12	8/12	LVC MOS	-40 to 85	TSSOP8
RS9113C	LVC MOS Clock Buffer	2.5/3.3	2.5/3.3	1.5/3.5	180/250	8/12	8/12	LVC MOS	-40 to 85	TSSOP8
RS9114C	LVC MOS Clock Buffer	2.5/3.3	2.5/3.3	1.5/3.5	180/250	8/12	8/12	LVC MOS	-40 to 85	TSSOP8
RS925 *	LVC MOS Clock Generator With SSC Support for EMI Reduction	1.8	3.3	8.56	230	12	12	LVC MOS	-40 to 85	TSSOP16

DATA CONVERTERS

Analog-Digital Converter - ADC

Part Number	Architecture	Resolution (Bits)	Sample Rate (max) (SPS)	# Input Channels	Reference	Interface	Analog Voltage AVDD (V)	Operating IQ (mA)	INL (LSB)	DNL (LSB)	Operating Temperature Range (°C)	Description	Package
RS1461	SAR	12	1M	1	Internal	SPI	2.7~5.25	1.5	0.6	0.6	-40 to 125	12-Bit ,1MSPS ,1-Ch SAR ADC	SOT23-6
RS1472	SAR	14	2M	2	External	SPI	2.7~5.25	3.6	0.8	0.6	-40 to 125	14-Bit ,2MSPS , 2-Ch Differential Input SAR ADC	QFN3x3-16
RS1473	SAR	14	2M	2	External	SPI	2.7~5.25	3.6	1.2	0.5	-40 to 125	14-Bit ,2MSPS , 2-Ch Single-ended Input SAR ADC	QFN3x3-16
RS1430A	SAR	16	400k	1	External	SPI	2.7~5.5	2.4	1.5	1.5	-40 to 125	16-Bit ,400kSPS ,1-Ch SAR ADC, No pipeline delay	MSOP8
RS1430B	SAR	16	400k	1	External	SPI	2.7~5.5	2.6	2	0.5	-40 to 125	16-Bit ,400kSPS ,1-Ch SAR ADC, With pipeline delay	MSOP8
RS1434*	SAR	16	250K	4	External	SPI	2.3~5.25	/	/	/	-40 to 125	16-Bit ,250kSPS ,4-Ch SAR ADC	LFCSP20
RS1438*	SAR	16	250K	8	External	SPI	2.3~5.25	/	/	/	-40 to 125	16-Bit ,250kSPS ,8-Ch SAR ADC	LFCSP20
RS1506	Pipeline	8	100M	2	External	TTL/CMOS	2.7~3.6	48	0.75	0.5	-40 to 85	8-Bit, 100MSPS ,2-Ch ADC	LQFP48
RS1507	Pipeline	8	100M	1	External	TTL/CMOS	2.7~3.6	24	0.75	0.5	-40 to 85	8-Bit, 100MSPS ,1-Ch ADC	SSOP20
RS1118*	Delta-Sigma	16	1K	4	Internal	SPI	2.7~5.25	/	/	/	-40 to 125	16-Bit 1kSPS 4-Ch ADC With PGA	TSSOP, VQFN
RS1120*	Delta-Sigma	16	2K	4	Internal	SPI	2.3~5.5	/	/	/	-40 to 125	16-Bit 2kSPS 4-Ch Low-Power Delta-Sigma ADC	TSSOP, VQFN

Digital-Analog Converter - DAC

Part Number	Resolution (Bits)	Output Setting Time (µs)	Output Channels	Output Voltage Range (V)	Reference	Interface	Analog Voltage AVDD (Min) (V)	Operating IQ (µA)	INL (LSB)	DNL (LSB)	Operating Temperature Range (°C)	Description	Package
RS1308*	10	4.5	8	0~VREF	External	SPI	2.7~5.5	650	/	/	-40 to 125	10-Bit Micro Power DAC	TSSOP-16
RS1320	12	5	1	0~VA	Internal	SPI	2.7~5.5	328	1.3	0.2	-40 to 125	12-Bit Micro Power DAC	SOT23-6
RS1321*	12	5	1	0~VA	Internal	SPI	2.7~5.5	328	1.3	0.2	-40 to 125	12-Bit Micro Power DAC	SOT23-6
RS1360*	16	1	1	2~VREF-1LSB	External	SPI	2.7~5.5	125	0.5	0.5	-40 to 125	16-Bit Micro Power DAC	SOP8
RS1361*	16	8	1	0~VREF	External	SPI	2.7~5.5	160	/	/	-40 to 125	16-Bit, Ultralow-Glitch, Voltage-Output	MSOP8
RS1380*	8	3	1	0~VA	Internal	SPI	2.7~5.5	180	0.16	0.04	-40 to 125	8-Bit Micro Power DAC	SOT23-6

LOGIC & TRANSLATION

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/I ² C Level Shifter	SOT23-6,SC70-6,UDFN1.45X1-6
RS0102	2	24/2	1.65~5.5	2.3~5.5	Bidirectional	Hi-Z	13	1	Open-Drain/Push-Pull	GPIO/I ² C Level Shifter	SOT23-8,UDFN2X3-8, XDFN1.4X1-8,VSSOP8
RS0102-Q1	2	24/2	1.65~5.5	2.3~5.5	Bidirectional	Hi-Z	13	1	Open-Drain/Push-Pull	GPIO/I ² C Level Shifter	VSSOP8
RS0104	4	24/2	1.65~5.5	2.3~5.5	Bidirectional	Hi-Z	15	1	Open-Drain/Push-Pull	GPIO/I ² C Level Shifter	TSSOP14,UQFN2X2-12, UQFN2X1.7-12,QFN3.5X3.5-14
RS0104-Q1	4	24/2	1.65~5.5	2.3~5.5	Bidirectional	Hi-Z	15	1	Open-Drain/Push-Pull	GPIO/I ² C Level Shifter	UQFN2X1.7-12,TSSOP14,QFN3.5X3.5-14
RS0108	8	24/2	1.65~5.5	2.3~5.5	Bidirectional	Hi-Z	30	1	Open-Drain/Push-Pull	GPIO/I ² C Level Shifter	TSSOP20,QFN3X3-20
RS0108A*	8	100/2	1.4~3.6	1.65~5.5	Bidirectional	Hi-Z	30	1	Open-Drain/Push-Pull	GPIO/I ² C Level Shifter	TSSOP20,QFN3X3-20
RS0108-Q1	8	24/2	1.65~5.5	2.3~5.5	Bidirectional	Hi-Z	30	1	Open-Drain/Push-Pull	GPIO/I ² C Level Shifter	TSSOP20
RS0202	2	100	1.2~3.6	1.65~5.5	Bidirectional	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	SOT23-8,UDFN2X3-8,MSOP8
RS0204	4	100	1.2~3.6	1.65~5.5	Bidirectional	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	TSSOP14,UQFN1.7X2-12, QFN3.5X3.5-14,UQFN1.8X1.8-12
RS0204A-Q1*	4	100	1.2~3.6	1.65~5.5	Bidirectional	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	QFN3.5X3.5-14, UQFN1.8X1.8-12
RS0208	8	100	1.2~3.6	1.65~5.5	Bidirectional	Hi-Z	10	1	Push-Pull	GPIO Level Shifter	TSSOP20,QFN3X3-20
RS0302	2	100	1.0~5.5	1.8~5.5	Bidirectional	Hi-Z	/	5	Open-Drain	I ² C & SMBus Level Shifter	SOT23-8,XDFN1.4X1-8, VSSOP8
RS0302-Q1	2	100	1.0~5.5	1.8~5.5	Bidirectional	Hi-Z	/	5	Open-Drain	I ² C & SMBus Level Shifter	VSSOP8
RS1T34	1	200	1.65~5.5	1.65~5.5	Fixed	Hi-Z	4	1	Push-Pull	GPIO Level Shifter	SOT23-5,SC70-5
RS1T45	1	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	4	1	Push-Pull	GPIO Level Shifter	SOT23-6,SC70-6
RS1T45-Q1	1	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	4	/	Push-Pull	GPIO Level Shifter	SC70-6
RS2T45	2	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	4	1	Push-Pull	GPIO Level Shifter	VSSOP8,MSOP8
RS2T45-Q1	2	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	4	/	Push-Pull	GPIO Level Shifter	VSSOP8
RS2T245	2	200	0.9~3.6	0.9~3.6	Configurable	Hi-Z	30	1	Push-Pull	GPIO Level Shifter	UQFN1.4x1.8-10

*Under Development Q1 AEC-Q100 qualified

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
RS4T245	4	200	1.65~5.5	1.65~5.5	YeConfigurables	Hi-Z	20	1	Push-Pull	GPIO Level Shifter	TSSOP16,QFN2.5X3.5-16
RS4T245-Q1	4	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	20	/	Push-Pull	GPIO Level Shifter	QFN2.5x3.5-16
RS4T774	4	200	0.9~3.6	0.9~3.6	Configurable	Hi-Z	30	1	Push-Pull	GPIO Level Shifter	TSSOP16,QFN2.5X3.5-16,QFN2.6X1.8-16
RS4T774-Q1*	4	200	1.1~3.6	1.1~3.6	Configurable	Hi-Z	30	1	Push-Pull	GPIO Level Shifter	QFN2.6X1.8-16
RS8T245	8	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	25	1	Push-Pull	GPIO Level Shifter	TSSOP24,SOP24
RS8T245-Q1	8	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	25	/	Push-Pull	GPIO Level Shifter	TSSOP24
RS8T245A	8	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	25	1	Push-Pull	GPIO Level Shifter	TSSOP24,QFN5.5X3.5-24
RS16T245A	16	200	1.65~5.5	1.65~5.5	Configurable	Hi-Z	80	10	Push-Pull	GPIO Level Shifter	TSSOP48
RS74AVCH4T245	4	200	1.2~3.6	1.2~3.6	Configurable	Hi-Z	10	/	Push-Pull	GPIO Level Shifter	TSSOP16,QFN2.5X3.5-16

Logic Series

Part Number	VCC Range (V)	Icc Max (uA,full temp.)	Features	Package
RS1G00	1.65~5.5	10	Single Channel 2-Input NAND Gate	SOT23-5,SC70-5
RS1G00-Q1	1.65~5.5	10	Single Channel 2-Input NAND Gate	SC70-5
RS1GT00	2.0~5.5	10	Single Channel 2-Input NAND Gate, TTL input	SOT23-5,SC70-5
RS2G00	1.65~5.5	10	Dual Channel 2-Input NAND Gate	MSOP8
RS4G00	1.65~5.5	10	Quad Channel 2-Input NAND Gate	SOP14,TSSOP14
RS4G00-Q1	1.65~5.5	10	Quad Channel 2-Input NAND Gate	SOP14,TSSOP14
RS4GT00	2.0~5.5	10	Quad Channel 2-Input NAND Gate, TTL input	SOP14,TSSOP14
RS1G02	1.65~5.5	10	Single Channel 2-Input Positive NOR-Gate	SOT23-5,SC70-5
RS1GT02	2.0~5.5	11	Single Channel 2-Input Positive NOR-Gate	SOT23-5,SC70-5
RS4G02	1.65~5.5	10	Quad Channel 2-Input Positive NOR-Gate	SOP14,TSSOP14

Part Number	VCC Range (V)	Icc Max (uA,full temp.)	Features	Package
RS1G04	1.65~5.5	10	Single Channel Inverter	SOT23-5,SC70-5
RS1GT04	2.0~5.5	10	Single Channel Inverter ,TTL Input	SOT23-5,SC70-5
RS2G04	1.65~5.5	10	Dual Channel Inverter	SOT23-6,SC70-6
RS3G04	1.65~5.5	10	Triple Channel Inverter	MSOP8,DFN1.4X1-8
RS6G04	1.65~5.5	10	Six Channel Inverter	SOP14,TSSOP14
RS6GT04	2.0~5.5	10	Six Channel Inverter ,TTL Input	SOP14,TSSOP14
RS1G06	1.65~5.5	10	Single Channel Inverter, open drain output	SOT23-5,SC70-5
RS1G07	1.65~5.5	10	Single Channel Non-inverting Buffer, Open-drain Output	SOT23-5,SC70-5
RS1G07-Q1*	1.65~5.5	11	Single Channel Non-inverting Buffer, Open-drain Output	SC70-5
RS2G07	1.65~5.5	10	Dual Channel Non-inverting Buffer, Open-drain Output	SOT23-6,SC70-6

*Under Development Q1 AEC-Q100 qualified

Logic Series

Part Number	VCC Range (V)	Icc Max (uA,full temp.)	Features	Package
RS6G07	1.65~5.5	10	Six Channel Non-inverting Buffer, Open-drain Output	SOP14,TSSOP14
RS1G08	1.65~5.5	10	Single Channel 2-Input AND Gate	SOT23-5,SC70-5,DFN1X1-6
RS1G08-Q1	1.65~5.5	10	Single 2-Input Positive-AND Gate	SOT23-5,SC70-5
RS1GT08	2.0~5.5	10	Single Channel 2-Input AND Gate,TTL Input	SOT23-5,SC70-5
RS1GT08-Q1*	2.0~5.5	10	Single Channel 2-Input AND Gate,TTL Input	SC70-5
RS2G08	1.65~5.5	10	Dual Channel 2-Input AND Gate	MSOP8
RS2GT08	2.0~5.5	10	Dual 2-Input Positive-AND Gate, TTL input	MSOP8,VSSOP8
RS4G08	1.65~5.5	10	Quad Channel 2-Input AND Gate	SOP14,TSSOP14
RS4G08-Q1	1.65~5.5	10	Quad Channel 2-Input AND Gate	SOP14,TSSOP14
RS4GT08	2.0~5.5	10	Quad Channel 2-Input AND Gate,TTL Input	SOP14,TSSOP14
RS4GT08-Q1	2.0~5.5	10	Quad Channel 2-Input AND Gate,TTL Input	TSSOP14
RS1G09	1.65~5.5	10	Single Channel AND Gate, open-drain output	SOT23-5,SC70-5
RS1G10	1.65~5.5	10	Single 3-Input Positive-NAND Gate	SC70-6
RS1G11	1.65~5.5	10	Single 3-Input Positive-AND Gate	SOT23-6,SC70-6
RS1G11-Q1	1.65~5.5	10	Single 3-Input Positive-AND Gate	SC70-6
RS3G11	1.65~5.5	10	Triple 3-Input Positive-AND Gate	SOP14,TSSOP14
RS3G11-Q1	1.65~5.5	10	Triple 3-Input Positive-AND Gate	TSSOP14
RS1G14	1.65~5.5	10	Single Channel Schmitt-Trigger Inverter	SOT23-5,SC70-5
RS1G14-Q1	1.65~5.5	10	Single Schmitt-Trigger Inverter	SC70-5
RS1GT14	2.0~5.5	10	Single Channel Inverter ,TTL Input	SOT23-5,SC70-5
RS2G14	1.65~5.5	10	Dual Channel Schmitt-Trigger Inverter	SOT23-6,SC70-6
RS3G14	1.65~5.5	10	Triple Channel Schmitt-Trigger Inverter	MSOP8,DFN1.4X1-8
RS6G14	1.65~5.5	10	Six Channel Schmitt-Trigger Inverter	SOP14,TSSOP14
RS6GT14	2.0~5.5	10	Six Channel Schmitt-Trigger Inverter, TTL Input	SOP14,TSSOP14
RS1G17	1.65~5.5	10	Single Schmitt-Trigger Buffer	SOT23-5,SC70-5
RS1G17-Q1	1.65~5.5	10	Single Schmitt-Trigger Buffer	SC70-5
RS1GT17	2.0~5.5	10	Single Schmitt-Trigger buffer,TTL Input	SOT23-5,SC70-5
RS2G17	1.65~5.5	10	Single Schmitt-Trigger Buffer	SOT23-6,SC70-6
RS6G17	1.65~5.5	10	Six Channel Non-inverting Buffer	SOP14, TSSOP14
RS6GT17	2.0~5.5	10	Six Channel Non-inverting Buffer,TTL Input	SOP14, TSSOP14
RS1G27	1.65~5.5	10	Single 3-Input Positive-NOR Gate	SC70-6

Part Number	VCC Range (V)	Icc Max (uA,full temp.)	Features	Package
RS1G32	1.65~5.5	10	Single Channel 2-input OR Gate	SOT23-5,SC70-5
RS1G32-Q1	1.65~5.5	10	Single 2-Input Positive-OR Gate	SOT23-5,SC70-5
RS1GT32	2.0~5.5	10	Single 2-Input Positive-OR Gate,TTL input	SOT23-5,SC70-5
RS2G32	1.65~5.5	10	Dual Channel 2-input OR Gate	MSOP8
RS4G32	1.65~5.5	10	Quad Channel 2-input OR Gate	SOP14,TSSOP14
RS4G32-Q1	1.65~5.5	10	Quad Channel 2-input OR Gate	SOP14,TSSOP14
RS4GT32	2.0~5.5	10	Quad Channel 2-input OR Gate,TTL input	SOP14,TSSOP14
RS1G34	1.65~5.5	10	Single Buffer Gate	SOT23-5,SC70-5
RS1GT34	2.0~5.5	10	Single Buffer Gate, TTL input	SOT23-5,SC70-5
RS2G34	1.65~5.5	10	Dual Buffer Gate	SOT23-6,SC70-6
RS3G34	1.65~5.5	10	Triple Buffer Gate	MSOP-8,VSSOP-8
RS1G38	1.65~5.5	10	Single Channel NAND Gate, Open-drain Output	SOT23-5,SC70-5
RS1G57	1.65~5.5	10	Configurable Multiple-Function Gate	SOT23-6,SC70-6
RS1G58	1.65~5.5	10	Configurable Multiple-Function Gate	SOT23-6,SC70-6
RS1G74	1.65~5.5	10	Single Positive-Edge-Triggered D-Type Flip-Flop	MSOP8,VSSOP8, DFN1.4X1-8
RS1G74-Q1	1.65~5.5	10	Single Positive-Edge-Triggered D-Type Flip-Flop	VSSOP8
RS1G79	1.65~5.5	10	Single D-type flip-flop; positive-edge trigger	SOT23-5,SC70-5
RS1G79-Q1	1.65~5.5	10	Single D-type flip-flop; positive-edge trigger	SC70-5
RS1G86	1.65~5.5	10	Single Channel 2-input Exclusive-OR Gate	SOT23-5,SC70-5
RS1GT86	2.0~5.5	10	Single Channel 2-input Exclusive-OR Gate,TTL input	SOT23-5,SC70-5
RS2G86	1.65~5.5	10	Dual Channel 2-input Exclusive-OR Gate	MSOP8
RS4G86	1.65~5.5	10	Quad Channel 2-input Exclusive-OR Gate	SOP14,TSSOP14
RS4GT86	2.0~5.5	10	Quad Channel 2-input Exclusive-OR Gate, TTL input	SOP14,TSSOP14
RS1G97	1.65~5.5	10	Low Power Configurable Multiple-Function Gate	SOT23-6,SC70-6
RS1G123*	1.65~5.5	20	Single Retriggerable Monostable Multivibrator	VSSOP8
RS2G123*	1.65~5.5	40	Dual Retriggerable Monostable Multivibrator	SOP16,TSSOP16
RS1G125	1.65~5.5	10	Single Active-Low Bus Buffer Gate, 3-State Output	SOT23-5,SC70-5,DFN1X1-6
RS1G125-Q1	1.65~5.5	10	Single Active-Low Bus Buffer Gate, 3-State Output	SC70-5
RS1GT125	2.0~5.5	10	Single Active-Low Bus Buffer Gate, 3-State Output,TTL input	SOT23-5,SC70-5
RS2G125	1.65~5.5	10	Dual Active-Low Bus Buffer Gate, 3-State Output	MSOP8
RS4G125	1.65~5.5	10	Quad Active-Low Bus Buffer Gate, 3-State Output	SOP14,TSSOP14

*Under Development Q1 AEC-Q100 qualified

Logic Series

Part Number	VCC Range (V)	Icc Max (uA,full temp.)	Features	Package
RS4G125-Q1	1.65~5.5	10	Quad Active-Low Bus Buffer Gate, 3-State Output	TSSOP14
RS4GT125	2.0~5.5	10	Quad Active-Low Bus Buffer Gate, 3-State Output,TTL input	TSSOP14
RS1G126	1.65~5.5	10	Single Active-High Bus Buffer Gate, 3-State Output	SOT23-5,SC70-5
RS1G126-Q1*	1.65~5.5	10	Single Active-High Bus Buffer Gate, 3-State Output	SC70-5
RS1GT126	2.0~5.5	10	Single Active-High Bus Buffer Gate, 3-State Output,TTL input	SOT23-5,SC70-5
RS2G126	1.65~5.5	10	Dual Active-High Bus Buffer Gate, 3-State Output	MSOP8,TSSOP8
RS4G126	1.65~5.5	10	Quad Active-High Bus Buffer Gate, 3-State Output	SOP14,TSSOP14
RS4GT126	2.0~5.5	10	Quad Active-High Bus Buffer Gate ,3-State Output,TTL input	SOP14,TSSOP14
RS1G139	2.0~5.5	160	Single 2-Line to 4-Line Decoders/Demultiplexers	VSSOP8
RS2G139	2.0~5.5	160	Dual 2-Line to 4-Line Decoders/Demultiplexers	SOP16,TSSOP16
RS1G157	1.65~5.5	10	Single 2-Input Multiplexer	SOT23-6,SC70-6
RS4G157	1.65~5.5	10	Quad 2-Input Multiplexer	SOP16,TSSOP16
RS1G175	1.65~5.5	10	Single Positive-Edge-Triggered D-Type Flip-Flop	SOT23-6,SC70-6
RS1G175-Q1	1.65~5.5	10	Single Positive-Edge-Triggered D-Type Flip-Flop	SC70-6
RS1G240	1.65~5.5	10	Single Buffer/Driver, 3-State Output	SC70-5
RS2G241	1.65~5.5	10	Dual Buffer and Driver, 3-State Outputs	MSOP8,VSSOP8
RS1G332	1.65~5.5	10	Single 3-input OR gate	SOT23-6,SC70-6
RS1G373	1.65~5.5	10	Single D-type transparent latch;3-state	SOT23-6,SC70-6
RS1G373-Q1	1.65~5.5	10	Single D-type transparent latch;3-state	SC70-6
RS1G386	1.65~5.5	10	Single 3-input Exclusive-OR Gate	SOT23-6,SC70-6
RS138	2.0~5.5	160	3-Line To 8-Line Decoders/Demultiplexers	SOP16,TSSOP16
RS138T	4.5~5.5	160	3-Line To 8-Line Decoders/Demultiplexers, TTL Input	SOP16,TSSOP16
RS151	2.0~5.5	8	8-input multiplexer	SOP16,TSSOP16
RS154	1.65~5.5	20	4-to-16 Line Decoder/Demultiplexer	TSSOP24
RS164	1.65~5.5	8	8-bit serial-in, parallel-out shift register	SOP14,TSSOP14
RS165	1.65~5.5	160	8-bit parallel-in, serial-out shift register	SOP16,TSSOP16
RS175	1.65~5.5	80	Quadruple D-Type Flip-Flop with Clear	SOP16,TSSOP16
RS238	2.0~5.5	16	3- to 8-Line Decoder/Demultiplexer	SOP16,TSSOP16
RS240	1.65~5.5	5	Octal Buffers and Line Drivers, 3-State Outputs	SOP20,TSSOP20
RS240T	4.5~5.5	40	TTL input, Octal Buffers and Line Drivers, 3-State Outputs	SOP20,TSSOP20
RS244	1.65~5.5	5	Octal Buffer/Driver, 3-State Outputs	SOP20,TSSOP20

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

VOLTAGE REFERENCE

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
RS421V	1.24	0.50%	1.25~36	1.2	0.3	50ppm/°C	-40 to 125	SOT23
RS422V	1.24	0.50%	1.25~36	1.2	0.3	50ppm/°C	-40 to 125	SOT23
RS431AE	2.5	0.5%	2.5~18	2	0.3	50ppm/°C	-40 to 125	SOT23
RS432AE	2.5	0.5%	2.5~18	2	0.3	50ppm/°C	-40 to 125	SOT23
RS431	2.5	0.5% / 1%	2.5~36	4	0.5	50ppm/°C	-40 to 125	SOT23
RS432	2.5	0.5% / 1%	2.5~36	4	0.5	50ppm/°C	-40 to 125	SOT23
RS431-Q1	2.5	0.5%	2.5~32	4	0.5	50ppm/°C	-40 to 125	SOT23
RS432-Q1	2.5	0.5%	2.5~32	4	0.5	50ppm/°C	-40 to 125	SOT23

Series Voltage References

Part Number	VREF (V)	Voltage Tolerance	Temperature Coefficient (Max)	Iout (Max, mA)	Quiescent Current (uA)	LFN 0.1 to 10 Hz (typ) (uVPP)	Operating Temperature	Package
RSR30xx	1.2,1.8,2.048,2.5,3.0,3.3,4.096,4.5	0.05%	10ppm/°C	25	112@1.2V	7.5	-40 to 125	SOT23
RS3112	1.25,2.048,2.5,3.0,3.3,4.096	0.10%	20ppm/°C	10	150	35	-40 to 125	SOT23,SOP8
RS3112-Q1	1.25,2.048,2.5,3.0,3.3,4.096	0.10%	20ppm/°C	10	150	35	-40 to 125	SOT23
RS34xx-Q1	1.2,1.25,1.8,2.048,2.5, 3.0, 3.3, 4.096,4.5, 5.0	0.05%	10ppm/°C	10	150	8	-40 to 125	SOT23-6
RS50xx	2.048,2.5,3.0,3.3,4.096,4.5,5.0	0.10%	10ppm/°C	10	2000	7.5	-40 to 125	SOP8
RSR580	2.5	0.05%	25ppm/°C	15	800	15.5	-40 to 125	SOP8
RSR581	10	0.05%	20ppm/°C	15	1100	54	-40 to 125	SOP8
RSR586	5.0	0.05%	25ppm/°C	15	1100	26	-40 to 125	SOP8

POWER PRODUCTS

Linear Regulator

Part Number	Input Voltage Range (V)	Output Current (mA)	Ground Current (No Load) (uA)	Dropout Voltage @IOUT=Full current/Vout=3.3V (mV)	PSRR @1kHz (dB)	Output current Noise (uVRMS)	Vout (V)	Features	Operating Temperature Range (°C)	Package
RS3002	2.5~36	150	2.5	1200	54	—	1.8,3.0,3.3,3.6,5.0	Ultra-Low IQ,Enable Input	-40 to 85	SOT23-5,SOT23, SOT23-3,SOT89-3
RS3005	2.5~36	150	11	1300	63	—	3.0,3.3,3.6,4.4,5.0,12	Low IQ,Enable Input	-40 to 85	SOT89-3,SOT23-3, SOT23-5,SOT23,TO-92
RS3007	2.5~45	300	3	1005	77	100	3.0,3.3,5.0	Ultra-Low IQ,Enable Input	-40 to 85	SOT23-3,SOT23-5, SOT89-3,SOT-223,SOP8
RS3009*	4.5~70	100	25	250	—	—	3.3/5.0	Enable Input	-40 to 150	SOT23-3,SOT23-5,SOT223
RS3009-Q1*	4.5~70	100	25	250	—	—	3.3/5.0	AEC-Q100,Enable Input	-40 to 150	SOT23-3,SOT23-5,SOT223
RS3011-Q1*	4~40	300	2	300	—	—	Adj(1.8V~40)	AEC-Q100,Tracking LDO, Ultra-Low IQ,Enable Input	-40 to 125	ESOP8
RS3012*	3~40	200	3	650	58	120	2.5/3.3/5.0	Ultra-Low IQ	-40 to 125	SOT23-3,SOT23-5, SOT89-3,SOT-223
RS3012-Q1*	3~40	200	3	650	58	120	2.5/3.3/5.0	AEC-Q100,Ultra-Low IQ	-40 to 125	SOT23-5,SOT89-3,SOT-223
RS3015	3~45	300	3	1150	58	120	1.8/2.5/3.0/3.3/5.0	Ultra-Low IQ,Enable Input	-40 to 125	SOT23-3,SOT23-5, SOT89-3,SOT-223
RS3015-Q1*	3~45	300	3	1150	58	120	1.8/2.5/3.0/3.3/5.0	AEC-Q100,Ultra-Low IQ,Enable Input	-40 to 125	SOT23-5,SOT89-5, SOT-223,DFN2X2-6,ESOP8
RS73xx-1	2.5~45	300	3	1005	77	100	3.0,3.3,3.6,5.0	Ultra-Low IQ	-40 to 85	SOT23-3,SOT89-3
RS75xx-1	2.5~36	150	2	780	40	—	2.5,3.0,3.3,3.6,5.0	Ultra-Low IQ	-40 to 85	SOT23-3,SOT89-3
RS75xx-2H*	2.5~36	250	2	1200	70	—	1.8/2.5/3.0/3.3/3.6/4.1/4.4/5.0/9.0/12/ADJ	Ultra-Low IQ	-40 to 85	SOT23-3,SOT23-5,SOT89-3, SOT89-5,DFN1.6*1.6-6
RS3212*	1.6~5.5	300	25	300	53	—	0.8/1.2/1.5/1.8/2.5/2.8/3.0/3.3/3.6/5.0	Fast Response	-40 to 85	SOT23-5,XDFN1X1-4
RS3215	2.7~6.5	500	45	280	64	11xVOUT	1.2,1.5,1.8,2.5,2.7,2.8,3.0,3.3,ADJ	Fast Start-Up,Fast Response, High Output Accuracy: ±0.75%	-40 to 125	SOT23-5,DFN3X3-8,DFN2X2-6
RS3215-Q1	2.7~6.5	500	45	280	64	11xVOUT	1.8,3.3	AEC-Q100,Fast Start-Up, Fast Response,High Output Accuracy: ±0.75%	-40 to 125	SOT23-5
RS3217	1.9~5.5	500	16	220	81	13	1.2,1.5,1.8,2.5,2.8,2.9,3.0,3.2,3.3,3.6,4.0,4.5	Low-Noise, High PSRR,Fast Response	-40 to 125	SOT23-5,XDFN1X1-4
RS3217F*	1.9~5.5	500	20	220	74	17	1.2,1.5,1.8,2.5,2.8,2.9,3.0,3.2,3.3,3.6,4.0,4.2	Low-Noise, High PSRR,Fast Response	-40 to 125	SOT23-5,XDFN1X1-4
RS3219	2.5~7.5	300	120	280	55	38	1.2,1.5,1.8,2.5,2.8,3.0,3.3	Fast Response	-40 to 85	SOT23-3,SOT23-5,XDFN1X1-4
RS3221	2.5~7.5	200	1	155	34	170	0.8,1.0,1.2,1.5,1.8,2.05,2.5,2.8,3.0,3.3,3.6,4.0,5.0	Ultra-Low IQ	-40 to 85	SOT23-3,XDFN1X1-4, SOT23-5,SC70-5,SOT89-3

*Under Development Q1 AEC-Q100 qualified

Linear Regulator

Part Number	Input Voltage Range (V)	Output Current (mA)	Ground Current (No Load) (uA)	Dropout Voltage @IOUT=Full current/Vout=3.3V (mV)	PSRR @1kHz (dB)	Output current Noise (uVRMS)	V _{OUT} (V)	Features	Operating Temperature Range (°C)	Package
RS3231*	1.7~7.0	300	2	150	85	51	1.2,1.5,1.8,2.5,2.8,3,3.3,3.6,Adj	Ultra-Low IQ	-40 to 85	SOT23-3,SOT23-5,XDFN1X1-4
RS3232*	1.7~7.0	600	2	310	85	42	1.2,1.5,1.8,2.5,2.8,3,3.3,3.6,5.0,Adj	Ultra-Low IQ	-40 to 85	SOT23-3,SOT23-5, XDFN1X1-4,SOT89-3
RS3235	1.0~6.0	3000	105	220@VOUT=1.8V	60	—	Adj(0.8V~Vin-Vdrop)	Low Dropout	-40 to 85	ESOP8,DFN3X3-10
RS3236	2.5~7.5	500	30	450	70	68	0.8,1.0,1.2,1.5,1.8,2.05,2.5,2.8,3.0,3.3,3.6,4.0,5.0,Adj	Low Dropout	-40 to 85	XDFN1X1-4,SOT23-5, SC70-5,SOT23-3,SOT89-3

DC-DC

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

Load Switch

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

*Under Development

OVP

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

Supervisor&Reset ICs

Part Number	Quiescent Current (uA)	Manual Reset	Vcc (V)	Detect Threshold	Watchdog Timer	Vcc to Reset Delay (us)	Reset Active Timeout Period (ms)	Reset Output	Package
RS706	20	Yes	1.2~5.5	2.63,2.93,3.08,4.0,4.65	1.6s	33	200	Low	SOP8
RS706-Q1	20	Yes	1.2~5.5	2.93	1.6s	33	200	Low	SOP8
RS802*	20	No	1.2~5.5	2.63,2.93,3.08,4.0,4.65	No	33	ADJ	High	SC70-4,SOT143
RS803	20	No	1.2~5.5	2.63,2.93,3.08,4.0,4.65	No	33	200	Low	SOT23
RS804	20	No	1.2~5.5	2.63,2.93,3.08,4.0,4.65	No	33	ADJ	Low	SOT23-5
RS806	20	Yes	1.2~5.5	2.63,2.93,3.08,4.0,4.65	1.6s	33	200	Low	SOT23-5
RS806-Q1	20	Yes	1.2~5.5	3.08	1.6s	33	200	Low	SOT23-5
RS809	20	No	1.2~5.5	2.63,2.93,3.08,4.0,4.65	No	33	200	Low	SOT23
RS810	20	No	1.2~5.5	2.63,2.93,3.08,4.0,4.65	No	33	200	High	SOT23
RS811	20	Yes	1.2~5.5	2.63,2.93,3.08,4.0,4.65	No	33	200	Low	SOT143

Motor Driver

Part Number	Motor Type	Output Current Max (A)	Sleep Mode Current (nA)	Vcc (V)	VM (V)	PWM Frequency	Operating Current (uA)	Operating Temperature Range (°C)	Package
RS8837	Brushed DC Motor	1.8	35	2.5~7	12	0~250 kHz	510	-40°C~85°C	SOP8,DFN2X2-8

*Under Development Q1 AEC-Q100 qualified

Charge Pump

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

Gate Driver

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

LED Driver

Part Number	Function	Channel	Quiescent Current (mA)	Input Voltage Range (V)	Open LED Protection (V)	ILIM (A)	Switching Frequency (KHz)	Operating Temperature Range (°C)	Package
RS3750	Boost, White LED Driver	1	0.87	2.7~20	30	1.65	1150	-40°C~85°C	SOT23-6
RS3752 *	Boost, White LED Driver	1	0.3	2.7~5.5	38	1.8	1200	-40°C~85°C	SOT23-6
RS3700-Q1 *	High-Side LED Driver, Thermal Sharing, AEC-Q100	1	0.4	4.5~40	/	0.5	/	-40°C~125°C	HMSOP-8
RS3702-Q1 *	High-Side LED Driver, Thermal Sharing, AEC-Q100	3	0.4	4.5~40	/	0.15	/	-40°C~125°C	ETSSOP16
RS3703-Q1 *	High-Side LED Driver, Thermal Sharing, AEC-Q100	3	1.4	4.5~40	/	0.15	/	-40°C~125°C	ETSSOP20

Battery Charger

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

*Under Development Q1 AEC-Q100 qualified