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About Richtek

Richtek Technology Corporation is one of the world's leading analog IC companies. The company consistently delivers inventive power management solutions that improve the performance of consumer electronics, computers, and communications equipment. Richtek adds value to end equipment by synthesizing technological innovation, uncompromised quality, and devotion to customer service. Founded in 1998, the Company is headquartered in Taiwan with additional offices in Asia, the U.S., and Europe. For more information about Richtek and its analog IC solutions, please visit the Company's Web site at www.richtek.com.

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Multiple Outputs LDO

Part Number	Vin (min) (V)	Vin (max) (V)	Number of Outputs	Vout (min) (V)	Vout (max) (V)	Fixed Vout Option (V)	Output Adj. Method	Accuracy (+/- %)	Iout (max) (A)	Iq (typ) (mA)	Current Limit (typ) (mA)	Vdropout @ rated current (typ) (mV)	Cout (min) (uF)	Cout Type	Features	Package Type
RT9002A/RT9002B/RT9002C	2.5	5.5	2	1.5	3.3	1.5;2.5;2.8;3.3	Fixed	2	0.24;0.5	0.03;0.04	450;800	150 @ 0.1A	1	Ceramic	Enable Input;OCP	SOP-8
RT9011	2.5	5.5	2	1.2	3.5	1.2;1.3;1.5;1.6;1.8;1.85;1.9;2.0;2.1;2.5;2.6;2.65;2.7;2.8;2.85;2.9;3.0;3.1;3.15;3.2;3.3;3.5	Fixed	3	0.3;0.3	0.058	0.45	240 @ 0.3A	1	Ceramic	Enable Input;OCP;SCP	TSOT-23-6;WDFN-1.6x1.6-6;WDFN-2x2-8;WDFN-3x3-10;WDFN-3x3-8
RT9012	2.5	5.5	2	1.2	3.5	1.2;1.3;1.5;1.6;1.8;1.85;1.9;2.0;2.1;2.5;2.6;2.65;2.7;2.8;2.85;2.9;3.0;3.1;3.15;3.2;3.3;3.5	Fixed	2	0.3;0.3	0.058	0.45	240 @ 0.3A	1	Ceramic	Enable Input;OCP;SCP	WDFN-2x2-8
RT9014/RT9014A	2.5	5.5	2	1.2	3.5	1.2;1.3;1.5;1.6;1.8;1.85;1.9;2.0;2.1;2.5;2.6;2.65;2.7;2.8;2.85;2.9;3.0;3.1;3.15;3.2;3.3;3.5	Fixed	2	0.3;0.3	0.058	0.45	240 @ 0.3A	1	Ceramic	Enable Input;OCP;SCP	WDFN-3x3-10
RT9032	2.5	5.5	2	1.1	3.3	1.1;1.2;1.5;1.8;1.85;2.5;2.6;2.7;2.8;2.85;2.9;3.0;3.3	Fixed	3	0.3;0.3	0.065	0.43	330 @ 0.3A	1	Ceramic	Enable Input;OCP;SCP	WDFN-2x2-8;WQFN-1.6x1.6-8 (COL)
RT9054	2.5	5.5	2	1.2	3.5	1.2;1.3;1.4;1.5;1.6;1.8;1.85;1.9;2.0;2.1;2.5;2.6;2.65;2.7;2.8;2.85;2.9;3.0;3.1;3.15;3.2;3.3;3.5	Fixed	3	0.3;0.3	0.058	0.45	240 @ 0.3A	4.7	Ceramic	Enable Input;OCP;SCP	WDFN-1.6x1.6-6
RT9055	1.5	5.5	2	1	3.5	1;1.1;1.2;1.25;1.3;1.4;1.5;1.6;1.8;1.85;1.9;2.0;2.1;2.5;2.6;2.65;2.7;2.8;2.85;2.9;3.0;3.1;3.15;3.2;3.3;3.5	Fixed	2	0.3;0.3	0.058	0.6	240 @ 0.3A	1	Ceramic	Enable Input;OCP;SCP	WL-CSP-0.8x1.2-6B
RT9059A	1	5.5	1	0.8	4		Resistor		3.1	0.6					Low Dropout;OCP;Power Good	WDFN-3x3-10
RT9174	3	8	3	0.8	7		Resistor	2.5	5	0.8			470	Electrolytic	OCP	SOP-8
RT9184A	2.8	5.5	2	1.2	4.5	1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.9;3.0;3.1;3.2;3.3;3.4;3.5;3.6;3.7;3.8;3.9;4.0;4.1;4.2;4.3;4.4;4.5	Fixed	3	0.5;0.5	0.44		600 @ 0.5A		Ceramic	OCP	SOP-8

Linear DDR Terminator

Part Number	Memory Supported	Vin (min) (V)	Vin (max) (V)	VTT Output Offset (max) (+/- mV)	Isource/Isink (max) (A)	Standby Current (typ) (mA)	Current Limit (typ) (A)	Features	Package Type
RT2526Q	DDRII;DDRIII	3.1	3.6	20	3.3	0.3	3.3	OCP	PSOP-8
RT2568	DDR;DDRII;DDRIII;DDRIV	1.1	3.5	25	3	0.7	4.5	Enable Input;OCP;Power Good	WDFN-3x3-10
RT2596	DDRIII	2.2	5.5	25	1.5	0.32	3	Enable Input;OCP	PSOP-8;SOP-8
RT9005A/RT9005B	DDR;DDRII	1.5	3.6	20	2	0.05	2.8	OCP	PSOP-8
RT9026	DDR;DDRII;DDRIII;DDRIV	1.2	3.3	20	3	0.3	4	Enable Input;OCP	PMSOP-10;PSOP-8;WDFN-3x3-10
RT9040	DDR;DDRII;DDRIII	1.1	3.5	10	5.5	0.065	3.5	Enable Input;OCP;Power Good	WDFN-3x3-10
RT9045A	DDR;DDRII;DDRIII;DDRIV	1	5.5	13	3.5	0.02		OCP	PSOP-8
RT9088	DDRII;DDRIII;DDRIV	1.1	3.5	25	5.5	0.7	4.5	Enable Input;OCP;Power Good	WDFN-3x3-10
RT9088A	DDRII;DDRIII;DDRIV	1.1	3.5	25	3	0.7	4.5	Enable Input;OCP;Power Good	WDFN-3x3-10
RT9089A		1.1	3.5	25	2	0.7		Enable Input;OCP;Stable with Ceramic Capacitor	WDFN-10L 2x2
RT9173/RT9173A	DDR;DDRII	1.6	6	20	3	0.05	3.7	OCP	SOP-8;TO-252-5;TO-263-5
RT9173B	DDR;DDRII	1.7	6	20	2	0.05	2.6	OCP	SOP-8;TO-252-5
RT9173C	DDR;DDRII;DDRIII	1.5	2.5	20	2	0.05		OCP	PSOP-8
RT9173D	DDR;DDRII;DDRIII	1.5	2.5	20	3	0.05	3.4	OCP	PSOP-8

Single Output LDO

Part Number	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Fixed Vout Option (V)	Output Adj. Method	Accuracy (+/- %)	Iout (max) (mA)	Iq (typ) (uA)	Current Limit (typ) (mA)	Vdropout @ rated current (typ) (mV)	Cout (min) (uF)	Cout Type	Features	Package Type
RT2515A	1.4	6	0.5	5.5	1.2	Fixed; Resistor	2	2000	700	3000	240 @ 2A	10	Ceramic	Enable Input;Low Dropout;OCP;SCP; Stable with Ceramic Capacitor	PSOP-8
RT2515H	1.4	6	0.5	5.5		Resistor	2	2000	700	3000	240 @ 2A	10	Ceramic	Enable Input;Low Dropout;OCP;SCP; Stable with Ceramic Capacitor	PSOP-8
RT2516	1.4	6	0.5	5.5		Resistor	2	2000	700	3000	240 @ 2A	10	Ceramic	Enable Input;Low Dropout;OCP;SCP; Stable with Ceramic Capacitor	PSOP-8
RT2517A	2.2	6	1.2	5		Resistor	2	1000	400	1600	150 @ 1A	10	Ceramic	Enable Input;High PSRR;Low Dropout;OCP	VDFN-8AL 3x3
RT2517B	2.2	6.0	1.2	5		Resistor	2	1000	700	1500	200 @ 1A	10	Ceramic	Low Dropout	PSOP-8
RT2517C	2.2	6	1.2	5		Resistor	2.5	1000	400	1600	150 @ 0.3A	10	Ceramic	Enable Input;High PSRR;Low Dropout;OCP	VDFN-8AL 3x3
RT2518	1.4	6.0	0.5	5.5		Fixed; Resistor	1.5	1200	700	1600	120 @ 1.2A	10	Ceramic	High PSRR;Low Dropout;OCP	WDFN-3x3-8
RT2560Q	3.5	36	2.5	12	12;2.5;3.3;5	Fixed	2	100	2;3.5	175	320 @ 0.01A	1	Ceramic; Tantalum	OCP;Stable with Ceramic Capacitor	PSOP-8

Single Output LDO

Part Number	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Fixed Vout Option (V)	Output Adj. Method	Accuracy (+/- %)	Iout (max) (mA)	Iq (typ) (uA)	Current Limit (typ) (mA)	Vdropout @ rated current (typ) (mV)	Cout (min) (uF)	Cout Type	Features	Package Type
RT9001	2.8	5.5	1.2	4.5	1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.9;3.0;3.1;3.2;3.3;3.4;3.5;3.6;3.7;3.8;3.9;4.0;4.1;4.2;4.3;4.4;4.5	Fixed	3	600	220		580 @ 0.6A		Ceramic	OCP;Stable with Ceramic Capacitor	SOT-223
RT9008	4.5	13.5	0.8	12		Resistor	2	10000	300			100	Electrolytic		SOT-23-6
RT9009	2.5	5.5	1.25	4.5		Resistor	2	2500	380	3200	520 @ 2A	4.7	Ceramic	Enable Input;OCP;Stable with Ceramic Capacitor	TO-263S-5
RT9010	2.5	5.5	1.2	3.6	1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.65;2.7;2.8;2.85;2.9;3.0;3.1;3.2;3.3;3.4;3.5;3.6	Fixed	2	300	58	450	240 @ 0.3A	1	Ceramic	Enable Input;OCP;Power Good; Stable with Ceramic Capacitor	TSOT-23-6
RT9013	2.2	5.5	1.2	3.3	1.2;1.25;1.3;1.4;1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.85;2.9;3.0;3.1;3.2;3.3	Fixed	2	500	25	600	250 @ 0.5A	1	Ceramic	Enable Input;Extra Low Noise;Low Dropout;OCP;Stable with Ceramic Capacitor	SC-70-5;SC-82;SOT-23-5; WDFN-2x2-6
RT9013A	2.2	5.5	1.2	3.5	1.2;1.25;1.3;1.4;1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.85;2.9;3.0;3.1;3.2;3.3;3.4;3.5	Fixed	2	120	25	200	60 @ 0.12A	1	Ceramic	Enable Input;Extra Low Noise;Low Dropout; OCP;Stable with Ceramic Capacitor	SC-70-5;SC-82
RT9013B	2.2	5.5	1.2	3.5	1.2;1.25;1.3;1.4;1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.85;2.9;3.0;3.1;3.2;3.3;3.4;3.5	Fixed	2	300	25	400	150 @ 0.3A	1	Ceramic	Enable Input;Extra Low Noise;Low Dropout; OCP;Stable with Ceramic Capacitor	SC-70-5;WDFN-1.6x1.6-6
RT9016	2.5	5.5	1.5	3.5	1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.85;2.9;3.0;3.1;3.2;3.3;3.4;3.5	Fixed	2	500	90		380 @ 0.5A		Ceramic	Enable Input;Extra Low Noise;Low Dropout; OCP;Stable with Ceramic Capacitor	SOT-23-5;WDFN-2x2-6
RT9017	2.5	5.5	1.5	3.5	1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.85;2.9;3.0;3.1;3.2;3.3;3.4;3.5	Fixed	2	500	90		380 @ 0.5A		Ceramic	Enable Input;Extra Low Noise;Low Dropout; OCP;Stable with Ceramic Capacitor	SOT-23-3;SOT-23-5; WDFN-2x2-6
RT9018A/RT9018B	1.4	5.5	0.8	4	1.0;1.05;1.2;1.5;1.8;2.5	Fixed; Resistor	1.5	3000	600	4500	210 @ 3A	10	Ceramic	Enable Input;Low Dropout;OCP;Power Good; SCP;Stable with Ceramic Capacitor	PSOP-8;WDFN-3x3-10
RT9020	2.2	5.5	1.2	3.3	1.2;1.25;1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.85;2.9;3.0;3.1;3.2;3.3	Fixed	2	500	25	800	250 @ 0.5A		Ceramic	Adjustable Soft-Start;Enable Input;OCP; Stable with Ceramic Capacitor	SC-70-5;SOT-23-5
RT9022	5	20	1.25			Resistor	1	60	40	80	200 @ 0.03A	2.2	Ceramic	Adjustable Soft-Start;Enable Input;OCP; Stable with Ceramic Capacitor	SC-70-6;SOT-23-6
RT9024	3.8	13.5	0.8	12		Resistor	2	1000	450			100	Electrolytic		SOT-23-6
RT9025	1.4	5.5	0.8	4	1.05;1.2;1.5;1.8;2.5	Fixed; Resistor	2	2000	600	3500	230 @ 2A	10	Ceramic	Enable Input;Low Dropout;OCP;Power Good; SCP;Stable with Ceramic Capacitor	PSOP-8;SOP-8
RT9027A/RT9027B	4.5	5.5	1.6	5		Ext Vref	3	500	300	2000	150 @ 0.5A	2.2	Ceramic	Enable Input;OCP;SCP; Stable with Ceramic Capacitor	SOP-8
RT9030	1.65	5.5	1	3.3	1.0;1.05;1.1;1.2;1.25;1.3;1.4;1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.85;2.9;3.0;3.1;3.2;3.3	Fixed	2	150	25	285		1	Ceramic	Enable Input;Extra Low Noise;High PSRR; OCP;Stable with Ceramic Capacitor	SC-70-5;WDFN-1.6x1.6-6
RT9030A	1.5	5.5	1	3.3	1.0;1.05;1.1;1.2;1.25;1.3;1.4;1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.85;2.9;3.0;3.1;3.2;3.3	Fixed	2	300	25	600		1	Ceramic	Enable Input;Extra Low Noise;High PSRR; OCP;Stable with Ceramic Capacitor	SOT-23-5
RT9033	2.5	5.5	1.24			Resistor	1	3000	250	4500	350 @ 3A	10	Ceramic	Enable Input;OCP;Stable with Ceramic Capacitor	TO-263-5
RT9035	1.5	5	1.05	2.5	1.05;1.2;1.5;1.8;2.5	Fixed; Resistor	2	3000	600	4500	270 @ 3A	10	Ceramic	Enable Input;Low Dropout;OCP;Power Good;SCP;Stable with Ceramic Capacitor	WQFN-4x4-20
RT9037	2.5	5.5	3.3	5	1.85;2.85;3.3;3.4;3.5;3.6;3.7;3.8;3.9;4.0;4.1;4.2;4.3;4.4;4.5;4.6;4.7;4.75;4.8;4.9;5.0	Fixed	2	300	90	400	220 @ 0.3A	1	Ceramic	Enable Input;Extra Low Noise;Low Dropout;OCP;Stable with Ceramic Capacitor	SOT-23-5
RT9038	2.2	5.5	1.2	3.5	1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.9;3.0;3.1;3.2;3.3;3.4;3.5	Fixed	2	300	25	400	125 @ 0.3A	1	Ceramic	Enable Input;Extra Low Noise;Low Dropout;OCP;Stable with Ceramic Capacitor	WDFN-2x2-8
RT9041A/RT9041B	1	5.5	0.8	2.5	1.0;1.1;1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0	Fixed; Resistor	2	500	160	700	300 @ 0.5A		Ceramic	Enable Input;OCP;Power Good; Stable with Ceramic Capacitor	SOT-23-6
RT9041C/RT9041D	1	5.5	0.8	2.5	1.0;1.1;1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0	Fixed; Resistor	1	500	160	700	300 @ 0.5A		Ceramic	Enable Input;OCP;Power Good; Stable with Ceramic Capacitor	SOT-23-6
RT9041E	1	5.5	0.8	2.5	1.0;1.1;1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0	Fixed; Resistor	2	500	160	700	300 @ 0.5A		Ceramic	Enable Input;OCP;Power Good; Stable with Ceramic Capacitor	WDFN-2x2-8
RT9041F	3	5.5	0.8	2.5	1.0;1.1;1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0	Fixed; Resistor	2	500	160	700	300 @ 0.5A	10	Ceramic	Enable Input;OCP;Power Good; Stable with Ceramic Capacitor	WDFN-2x2-8
RT9042	1.4	5	1.05	2.5		Resistor	2	3000	600	3100	230 @ 2A	10	Ceramic	Enable Input;Low Dropout;OCP;Power Good;SCP;Stable with Ceramic Capacitor	PSOP-8
RT9043	2.2	5.5	1.2	5		Resistor	1	400	35	650	230 @ 0.4A	1	Ceramic	Enable Input;Extra Low Noise;Low Dropout;OCP;Stable with Ceramic Capacitor	SOT-23-5
RT9046	3.3	13.5	0.5	12		Resistor	2	1000	500			100	Electrolytic		SOT-23-6
RT9047	2.2	5.5	1.2	5		Resistor	3	1000	800	1600	130 @ 1A	4.7	Ceramic	Enable Input;Low Dropout;OCP;SCP; Stable with Ceramic Capacitor	SOT-223-5
RT9048	1.4	6	0.5	5		Resistor	2	2000	700	3000	240 @ 2A	10	Ceramic	Enable Input;Low Dropout;OCP	PSOP-8
RT9049	2.2	5.5	1.2	1.2	1.2	Fixed	2	500	115	600	250 @ 0.5A	10	Ceramic	Enable Input;Extra Low Noise;Low Dropout; OCP;Stable with Ceramic Capacitor	SOT-23-5
RT9050	3.8	5.5	3.3	3.3	3.3	Fixed	0.5	300	25	400	150 @ 0.3A	1	Ceramic	Enable Input;Extra Low Noise;Low Dropout; OCP;Stable with Ceramic Capacitor	SOT-23-5
RT9053A	2.2	5.5	0.8	5.15		Resistor	1	400	35	650	230 @ 0.4A	1	Ceramic	Enable Input;Low Dropout;OCP; Stable with Ceramic Capacitor	SOT-23-5;WDFN-2x2-6
RT9058	3.5	36	2.5	12	12;2.5;3;3.3;5;6;9	Fixed	2	100	2;3.5	175	300 @ 0.01A	1	Ceramic; Tantalum	Extra Low Noise;High PSRR	SOT-23-3;SOT-89-3

Single Output LDO

Part Number	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Fixed Vout Option (V)	Output Adj. Method	Accuracy (+/- %)	Iout (max) (mA)	Iq (typ) (uA)	Current Limit (typ) (mA)	Vdropout @ rated current (typ) (mV)	Cout (min) (uF)	Cout Type	Features	Package Type
RT9059	1	5.5	0.8	2.5	1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5	Fixed; Resistor	1.5	3000	600	3100	250 @ 2A;350 @ 3A	10	Ceramic	Enable Input;Low Dropout;OCP;Power Good; SCP;Stable with Ceramic Capacitor	PSOP-8;WDFN-3x3-10
RT9063	2.5	6	1.2	3.3	1.2;1.5;1.8;2.5;3.3	Fixed	2	250	1	400	400 @ 0.2A	1	Ceramic; Tantalum	Low Dropout	SOT-23-3;SOT-89-3
RT9064	3.5	14	2.5	5	2.5;3.3;5	Fixed	2	200	2	320	400 @ 0.1A	1	Ceramic; Tantalum	Low Dropout	SOT-23-3;SOT-89-3
RT9067	3.5	14	2.5	9	2.5;3.3;4.2;5;9	Fixed	2	200	2;3.5	350	400 @ 0.1A	1	Ceramic; Tantalum	Enable Input;Low Dropout	SOT-23-5;SOT-89-5
RT9068	4.5	60	1.25	60	2.5;3.3;5	Fixed; Resistor	2	50	30		15 @ 0.001A; 150 @ 0.05A; 55 @ 0.01A	1	Aluminum; Ceramic; Tantalum	Low Dropout;Stable with Ceramic Capacitor	PMSOP-8;PSOP-8; SOT-223
RT9069	3.5	36	2.5	12	12;2.5;3;3.3;5;9	Fixed	2	200	2;3.5	350	200 @ 0.01A	1	Ceramic; Tantalum	Enable Input;Low Dropout;OCP	PSOP-8;SOT-23-5; SOT-89-5;UDFN-1.6x1.6-6
RT9073	1.2	5.5	0.9	3.3	0.9;1.05;1.2;1.5;1.8;1.9;2.5;2.7;2.8;2.9;3.0;3.3	Fixed; Resistor	2	250	1	350	500 @ 0.25A	1	Ceramic; Tantalum	Enable Input;Low Dropout	SC-70-5;SOT-23-5
RT9073A	1.2	5.5	0.9	3.3	0.9;1.05;1.2;1.5;1.8;1.9;2.5;2.7;2.8;2.9;3.3	Fixed	2	250	1	350	500 @ 0.25A	1	Ceramic; Tantalum	Enable Input;Low Dropout; Stable with Ceramic Capacitor	SC-82;ZQFN-4L 1x1
RT9074	4.5	60	1.25	60	2.5;3.3;5	Fixed; Resistor	3	100	30		15 @ 0.001A; 240 @ 0.1A; 55 @ 0.01A	1	Aluminum; Ceramic; Tantalum	Low Dropout;Stable with Ceramic Capacitor	PMSOP-8;PSOP-8;SOT-223
RT9076	2.5	6	1.2	3.3	1.2;1.5;1.8;2.5;3.3	Fixed	2	250	25	400	400 @ 0.2A	1	Ceramic	High PSRR;Low Dropout;Stable with Ceramic Capacitor	SOT-23-3
RT9077	3.5	14	2.5	9	2.5;3.3;4.2;5;8;9		2	200	70	350	400 @ 0.1A	1	Ceramic; Tantalum	Low Dropout	TSOT-23-5
RT9078	1.2	5.5	0.8	3.3	0.8;1.0;1.05;1.1;1.2;1.25;1.3;1.5;1.8;1.85;2.5;2.8;2.85; 3.0;3.1;3.3	Fixed; Resistor	2	300	2	600	150 @ 0.3A	1	Ceramic; Tantalum	Enable Input;Low Dropout;OCP; Stable with Ceramic Capacitor	TSOT-23-5;ZQFN-4L 1x1
RT9079	3.5	36	2.5	12	12;2.5;3;3.3;5;6;9	Fixed	2	200	50	350	200 @ 0.01A	1	Ceramic; Tantalum	Enable Input;Low Dropout;OCP	TSOT-23-5
RT9083	1.2	5.5	0.9	3.3	0.9;1.05;1.2;1.5;1.8;1.9;2.5;2.7;2.8;2.9;3.3	Fixed; Resistor	2	250	30	350	500 @ 0.25A	1	Ceramic	Enable Input;High PSRR;Low Dropout; Stable with Ceramic Capacitor	TSOT-23-5
RT9161/RT9161A	4.5	12	1.5	5	1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.9; 3.0;3.1;3.2;3.3;3.4;3.5;3.6;3.7;3.8;3.9;4.0;4.1;4.2;4.3;4.4; 4.5;4.6;4.7;4.8;4.9;5.0	Fixed	2	300;500	110	580;900	450 @ 0.3A; 750 @ 0.5A		Electrolytic	OCP	SOT-223;SOT-23-3; SOT-89-3;TO-92
RT9162	5	15	3.3	3.5	3.3;3.5	Fixed	2	300	4500		1200 @ 0.3A		Electrolytic	OCP	SOT-89-3;TO-92
RT9163	5	15	3.3	5	3.3;3.5;5	Fixed	2	500	4500		1300 @ 0.5A		Electrolytic	OCP	SOT-223;SOT-89-3; TO-252-3
RT9164A	3	14	1.256	3.5	1.5;1.8;2.5;2.85;3.0;3.3;3.5	Fixed; Resistor	2	1000	5000	1800	1300 @ 1A		Electrolytic; Tantalum	OCP	SOT-223;TO-252-3; TO-263-3
RT9164B	3	12	3.3	3.3	3.3	Fixed	0.5	1000	5000	1800	1300 @ 1A		Electrolytic; Tantalum	OCP	TO-252-3
RT9164C	3	12	1.256	3.3	2.5;3.3	Fixed; Resistor	1	1000	5000	1800	1300 @ 1A		Electrolytic; Tantalum	OCP	SOT-223;TO-252-3; TO-263-3
RT9165	7	16	5	8	5;8	Fixed	2	150	4500		1200 @ 0.15A		Electrolytic	OCP	SOT-89-3;TO-92
RT9166/RT9166A	2.8	5.5	1.2	4.5	1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6; 2.7;2.8;2.9;3.0;3.1;3.2;3.3;3.4;3.5;3.6;3.7;3.8;3.9;4.0;4.1; 4.2;4.3;4.4;4.5	Fixed	3	300;600	220		230 @ 0.3A; 580 @ 0.6A		Ceramic	OCP;Stable with Ceramic Capacitor	SOT-223;SOT-23-3; SOT-89-3;TO-252-3;TO-92
RT9166B	2.8	5.5	1.2	1.2	1.2	Fixed	3	600	220		300 @ 0.6A		Ceramic	OCP;Stable with Ceramic Capacitor	SOT-89-3
RT9167/RT9167A	2.9	7	1.5	5	1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.85; 2.9;3.0;3.1;3.2;3.3;3.4;3.5;3.6;3.7;3.8;3.9;4.0;4.1;4.2;4.3; 4.4;4.5;4.6;4.7;4.8;4.9;5.0	Fixed	2	300;500	90		350 @ 0.3A; 600 @ 0.5A		Ceramic	Enable Input;Extra Low Noise;High PSRR; Low Dropout;OCP;Stable with Ceramic Capacitor	SOP-8;SOT-23-5
RT9167B	2.7	7	1.5	5	1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.9; 3.0;3.1;3.2;3.3;3.4;3.5;3.6;3.7;3.8;3.9;4.0;4.1;4.2;4.3;4.4; 4.5;4.6;4.7;4.8;4.9;5.0	Fixed	2	300	80	400	350 @ 0.3A	1	Ceramic	Enable Input;Extra Low Noise;High PSRR; Low Dropout;OCP;Stable with Ceramic Capacitor	MSOP-8
RT9168/RT9168A	2.9	7	1.5	5	1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.9; 3.0;3.1;3.2;3.3;3.4;3.5;3.6;3.7;3.8;3.9;4.0;4.1;4.2;4.3;4.4; 4.5;4.6;4.7;4.8;4.9;5.0	Fixed	2	200;500	90	300;700	220 @ 0.2A; 600 @ 0.5A		Ceramic	Enable Input;Low Dropout;OCP; Stable with Ceramic Capacitor	SOT-23-5
RT9169/RT9169H	2	6	1.2	5	1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6; 2.7;2.8;2.9;3.0;3.1;3.2;3.3;3.4;3.5;3.6;3.7;3.8;3.9;4.0;4.1; 4.2;4.3;4.4;4.5;4.6;4.7;4.8;4.9;5.0	Fixed	2	100	4	250	450 @ 0.1A		Ceramic; Electrolytic	Enable Input;Low Dropout;OCP	SOT-23-3;SOT-23-5; SOT-89-3
RT9170	2	5.5	1.2	3.3	1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5; 2.6;2.7;2.8;2.9;3.0;3.1;3.2;3.3	Fixed	2	300	15		240 @ 0.3A		Ceramic	Enable Input;Low Dropout;OCP	SOT-23-3;SOT-23-5;SOT-89-3
RT9172	2.25	5.5	1.5	3.3	1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6; 2.7;2.8;2.9;3.0;3.1;3.2;3.3	Fixed	1.5	3000	1200	5000	400 @ 3A		Electrolytic; Tantalum	Enable Input;Low Dropout;OCP;Power Good	SOP-8;SOT-223;TO-220; TO-220-5;TO-263-3; TO-263-5
RT9176	3	12	1.5	3.5	1.5;1.8;2.5;2.85;3.3;3.5	Fixed	2	1500	5000	1750	1300 @ 1.5A		Tantalum	OCP	SOT-223;TO-252-3; TO-263-3

Single Output LDO

Part Number	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Fixed Vout Option (V)	Output Adj. Method	Accuracy (+/- %)	Iout (max) (mA)	Iq (typ) (uA)	Current Limit (typ) (mA)	Vdropout @ rated current (typ) (mV)	Cout (min) (uF)	Cout Type	Features	Package Type
RT9178	2.5	6	2.4	3.2	2.4;2.5;2.6;2.7;2.8;2.85;2.9;3.0;3.1;3.2	Fixed	2	200	90	400	200 @ 0.2A		Ceramic	Enable Input;Extra Low Noise;High PSRR; Low Dropout;OCP;Stable with Ceramic Capacitor	SOT-23-5
RT9179	3	5.5	1.175	4.5		Resistor	1	300	150		300 @ 0.3A		Ceramic	Enable Input;OCP;Stable with Ceramic Capacitor	SOT-23-5
RT9179A	3	5.5	1.175	4.5		Resistor	1	500	150		400 @ 0.5A		Ceramic	Enable Input;OCP;Stable with Ceramic Capacitor	SOP-8
RT9181	3	5.5	1.2	1.8	1.2;1.8	Fixed	2	150	160	300			Ceramic	Enable Input;Low Dropout;OCP; Power Good;Stable with Ceramic Capacitor	SOT-23-5
RT9183	2.3	5.5	0.8	4.5	1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5; 2.6;2.7;2.8;2.9;3.0;3.1;3.2;3.3	Fixed; Resistor	2	1500	380	3200	330 @ 1.5A		Ceramic	Enable Input;Low Dropout;OCP; Stable with Ceramic Capacitor	SOP-8;SOT-223;TO-252-3; TO-263-3;TO-263-5
RT9183A	2.3	5.5	0.8	4.5	1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5; 2.6;2.7;2.8;2.9;3.0;3.1;3.2;3.3	Fixed; Resistor	1	1500	380	3200	330 @ 1.5A		Ceramic	Enable Input;Low Dropout;OCP; Stable with Ceramic Capacitor	SOP-8;TO-252-3
RT9186A/RT9186B	2.5	5.5	0.8	4.5	1.8;2.5;3.3	Fixed; Resistor	3	500	190	1400	160 @ 0.5A		Ceramic	Enable Input;Low Dropout;OCP; Stable with Ceramic Capacitor	MSOP-8;VDFN-3x3-8
RT9187	2.5	5.5	0.8	4.5	1.0;1.1;1.2;1.3;1.34;1.4;1.5;1.6;1.7;1.8;1.9;2.0; 2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.9;3.0;3.1;3.2;3.3	Fixed; Resistor	2	1000	380	2800	240 @ 1A	2.2	Ceramic	Enable Input;Extra Low Noise;Low Dropout; OCP;Stable with Ceramic Capacitor	PSOP-8;VDFN-3x3-8
RT9187A	2.5	5.5	2.7	2.8	2.7;2.75;2.8	Fixed	2	300	210	2500	75 @ 0.3A	1	Ceramic	Enable Input;Extra Low Noise;Low Dropout; OCP;Stable with Ceramic Capacitor	SOT-23-5;VDFN-2x2-6
RT9187B	2.5	5.5	0.8			Resistor	2	600	380	2000	100 @ 0.5A	2.2	Ceramic	Enable Input;Extra Low Noise;Low Dropout; OCP;Stable with Ceramic Capacitor	SOT-23-5
RT9187C	2.5	5.5	0.8			Resistor	2	600	300		100 @ 0.5A	2.2	Ceramic	Enable Input;Extra Low Noise;Low Dropout; OCP;Stable with Ceramic Capacitor	SOT-23-5
RT9193	2.5	5.5	1.5	5	1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7; 2.8;2.85;2.9;3.0;3.1;3.2;3.3;3.4;3.5;3.6;3.7;3.8;3.9;4.0; 4.1;4.2;4.3;4.4;4.5;4.6;4.7;4.75;4.8;4.9;5.0	Fixed	2	300	90	400	220 @ 0.3A	1	Ceramic	Enable Input;Extra Low Noise;High PSRR; Low Dropout;OCP;Stable with Ceramic Capacitor	MSOP-8;SC-70-5; SOT-23-5;TSOT-23-5; WDFN-2x2-6
RT9193T	2.5	5.5	1.5	3.5	1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5; 2.6;2.7;2.8;2.85;2.9;3.0;3.1;3.2;3.3;3.4;3.5	Fixed	2	300	90	400	220 @ 0.3A		Ceramic	Enable Input;Extra Low Noise;High PSRR; Low Dropout;OCP;Stable with Ceramic Capacitor	SC-70-5;SOT-23-5; WDFN-2x2-6
RT9194	4.5	13.5	0.8	12		Resistor	2	1000	450			100	Electrolytic		SOT-23-6
RT9198/RT9198A	2.5	5.5	1.5	5	1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7; 2.8;2.85;2.9;3.0;3.1;3.2;3.3;3.4;3.5;3.6;3.7;3.8;3.9;4.0; 4.1;4.2;4.3;4.4;4.5;4.6;4.7;4.75;4.8;4.9;5.0	Fixed	2	300	90	400	220 @ 0.3A	1	Ceramic	Enable Input;Extra Low Noise;High PSRR; Low Dropout;OCP;Stable with Ceramic Capacitor	SC-70-5;SC-82;SOT-23-3; SOT-23-5;TSOT-23-5; WDFN-2x2-6
RT9198T	2.5	5.5	1.5	3.5	1.5;1.6;1.7;1.8;1.85;1.9;2.0;2.1;2.2;2.3;2.4;2.5; 2.6;2.7;2.8;2.85;2.9;3.0;3.1;3.2;3.3;3.4;3.5	Fixed	2	300	90	400	220 @ 0.3A		Ceramic	Enable Input;Extra Low Noise;High PSRR; Low Dropout;OCP;Stable with Ceramic Capacitor	SC-70-5;SOT-23-3; SOT-23-5

Step-up (Boost) Converter

Part Number	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Output Adj. Method	Iq (typ) (mA)	SW Current Limit (typ) (A)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Ron (typ) (Ohm)	Package Type
RT4803	1.8	5.0	2.85	4.4	Digital	0.065	5	2500				WL-CSP-16B 1.67x1.67 (BSC)
RT4803A	1.8	5	2.85	4.4	Digital	0.055	4	2500	2000	3000	40;60	WL-CSP-16B 1.67x1.67 (BSC)
RT4812	1.8	5.5	1.8	5.5	Resistor	0.09		500			45	TSOT-23-8 (FC)
RT8509	2.8	14	3.5	24	Resistor	1	3.5	1200	1000	1500	0.1	WQFN-3x3-10
RT8509A	2.8	14	3.5	24	Resistor	5	5	1200	1000	1500	0.1	WQFN-5x5-12
RT8540A	2.8	5.5	3.825	5.45	Digital	0.59	4	2000	1600	2400	0.09	WQFN-4x4-20
RT8541/RT8541A	2.7	16		90	Resistor	3.3	0.4	650				WQFN-3x3-16
RT8561A	6	24	24	40	Digital;Resistor	3		1000	800	1200	0.3	WQFN-4x4-24
RT8562	6	24	24	40	Digital;Resistor	3	2.5	1000	800	1200	0.3	VQFN-4x4-24
RT8562B	4.5	24	24	40	Digital;Resistor	3		1000	800	1200	0.3	WQFN-4x4-24
RT8565	2.8	4.5	6	24	Resistor		0.9	600	480	720	0.5	WQFN-1.6x1.6-8 (COL)
RT8580	3	5.5		40	Resistor	0.8	330	500	450	550	0.7	SOT-23-6
RT9261/RT9261A	1	7	1.5	5	Fixed	0.018	0.08	120	80	160		SOT-23-5;SOT-89-3
RT9261B	1	7	1.5	5	Fixed	0.036	0.16	190	140	320		SOT-23-5;SOT-89-3
RT9266	2	6	2.6	6	Resistor	0.55	2	500	425	575	0.3	SOT-23-6;SOT-89-5
RT9266B	2	6.5	2.6	6	Resistor	0.15	0.5	550			0.35	SOT-23-6
RT9269	2	6.5	2.6	6	Resistor	0.03	0.5	500			0.4	SOT-23-6
RT9276	1.2	5	3.3	5	Fixed;Resistor	0.1	2	1200	960	1440	0.24	WDFN-3x3-10
RT9277A/RT9277B	2.5	5.5	3	16	Resistor	2	1.6	1200;640	640	1200	0.2	MSOP-8
RT9277C/RT9277D	2.5	5.5	3	16	Resistor	2	1.6	1200;640	640	1200	0.2	MSOP-8;WDFN-3x3-8
RT9278	1.5	5.5	2.4	5.5	Resistor	0.2	2	650			0.24	VDFN-3x3-10
RT9284A/RT9284B	2.7	5.5			Resistor	0.3	0.75	1200	900	1500	0.75	TSOT-23-5;TSOT-23-6

Step-up (Boost) Converter

Part Number	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Output Adj. Method	Iq (typ) (mA)	SW Current Limit (typ) (A)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Ron (typ) (Ohm)	Package Type
RT9285A/RT9285B	2.7	5.5			Resistor	0.3	0.4	1000			0.75	TSOT-23-6;WDFN-2x2-8
RT9285C	2.7	5.5			Resistor	0.3	0.4	1000			0.75	TSOT-23-6;WDFN-2x2-8;XDFN-2x2-8
RT9292	2.5	5.5		28	Resistor	0.4	0.7	1000	750	1250	0.5	TSOT-23-6;WDFN-2x2-8
RT9293	2.5	5.5	6	40	Resistor	0.4	1.2	1000	750	1250	0.7	TSOT-23-6;WDFN-2x2-8
RT9296	1.2	5	3.3	5	Resistor	0.1	2	1200			0.29	WDFN-3x3-10
RT9297	2.6	5.5	2.6	24	Resistor	4	3.8	1240;640	500	1500	0.125	WDFN-3x3-10

Step-Down (Buck) Converter

Part Number	Vin (min) (V)	Vin (max) (V)	Number of Outputs	Vout (min) (V)	Vout (max) (V)	Preset Vout (V)	Output Adj. Method	Iout (max) (A)	Current Limit (typ) (A)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Ext Sync	Ron_HS (typ) (mOhm)	Ron_LS (typ) (mOhm)	Iq (typ) (mA)	Package Type
RT2101A	2.95	6	1	0.827	3.3	1.8	Resistor	3	7		700	2000	Yes	45	42	0.55	WQFN-3x3-16
RT2101B	2.95	6	1	0.827	3.6		Resistor	2	3.4		700	2450	Yes	45	42	0.55	WQFN-3x3-16
RT2102A	3	5.5	1	0.45	3.3	1.2	Resistor	1.5	3.2	2700	2300	3000	No	110	90	0.03	WDFN-3x3-8
RT2613A	2.95	6	1	0.827			Resistor	3	7	1000	700	2000	Yes	60	55	0.55	WQFN-3x3-16
RT2652	2.7	5.5	1	0.6	5.5		Resistor	2	3.5	1200			No	110	70	0.11	WDFN-3x3-10
RT2657	2.7	5.5	1	0.6	5.5	2.3	Resistor	0.6	1.5	2250			No	230	250	0.3	WDFN-2x2-6S
RT2657BQ	2.7	5.5	1	0.6	5.5	1.8	Resistor	0.6	1.5	2250			No	230	250	0.3	WDFN-3x3-8
RT2658	1	6	1	0.6	2		Ext Vref; Resistor	6	5.4;7.6	1000;600			No	20	10	1.1	VQFN-20L 3.5x4
RT2659	1	6	1	0.6	2		Ext Vref; Resistor	6	5.4;7.6	1000;600			No	20	10	1.1	VQFN-20L 3.5x4
RT2660	1	6	1	0.6	2		Ext Vref; Resistor	6	5.4;7.6	1000;600			No	20	10	1.1	VQFN-20L 3.5x4
RT2805A	5.5	36	1	1.222	26		Resistor	5	7.5	500	400	600	No	110		0.6	PSOP-8
RT2808A	5.5	36	1	1.222	26		Resistor	3	5.25	500	400	600	No	110		0.6	PSOP-8
RT2810A/RT2810B	4.5	18	1	0.7	8		Resistor	10	13.3	500	300	700	No	12	5.4	0.8	UQFN-16JL 3x3 (FC)
RT2853A/RT2853B	4.5	18	1	0.765	7		Resistor	3	4.5	650			No	110	30	1	WQFN-3x3-16
RT2855A/RT2855B	4.5	18	1	0.765	7		Resistor	4	6	650			No	70	30	1	WQFN-3x3-16
RT2856	4.5	18	1	0.8			Resistor	6	11	480	200	1600	Yes	26	19	0.6	WQFN-14AL 3.5x3.5
RT2856H	4.5	18	1	0.8			Resistor	6	11	480	200	1600	Yes	26	19	0.6	WQFN-14AL 3.5x3.5
RT2858B	4.5	18	1	0.765	8	1.05	Resistor	3	5	650			No	120	50	1	PSOP-8
RT2859A/RT2859B	4.5	18	1	0.765	7		Resistor	3	5	650			No	70	70	1	WQFN-3x3-16
RT2862	4.5	36	1	0.8	30		Resistor	3	5	500	300	1000	No	105	80	1	PSOP-8
RT2862A	4.5	36	1	0.8	30		Resistor	3	5	500	300	1000	No	105	80	1	PSOP-8
RT2872	4.5	36	1	0.8	30		Resistor	3	5	500	300	1000	No	105	80	1	PSOP-8
RT2875A/RT2875B	4.5	36	1	0.6	24		Resistor	3	5.5	550	300	2100	Yes	95	70		PTSSOP-14
RT2875D	4.5	36	1	0.6	24		Resistor	3	5.5		300	2100	Yes	95	70		PTSSOP-14
RT5701	2.5	5.5	1	0.303125	5.5	1;1.5	Digital	4	6.2	3000	2700	3300	No	40	20		PTSSOP-14
RT5710A	2.5	6	1	0.6	3.4	1.2	Resistor	1	1.5	1500			No	160	110	0.022	WDFN-2x2-6
RT5710B	2.5	6	1	0.6	3.4	1.2	Resistor	1	1.5	1500			No	160	110	0.3	WDFN-2x2-6
RT5710C	2.5	6	1	0.6	3.4	1.2	Resistor	1	1.5	1500			No	160	110	0.022	WDFN-2x2-6
RT5710D	2.5	6	1	0.6	3.4	1.2	Resistor	1	1.5	1500			No	160	110	0.3	WDFN-2x2-6
RT5711A	2.5	6	1	0.6	3.4	1.2	Resistor	1.5	1.8	1000			No	160	110	0.022	WDFN-2x2-6
RT5711B	2.5	6	1	0.6	3.4	1.2	Resistor	1.5	1.8	1000			No	160	110	0.3	WDFN-2x2-6
RT5711C	2.5	6	1	0.6	3.4	1.2	Resistor	1.5	1.8	1000			No	160	110	0.022	WDFN-2x2-6
RT5711D	2.5	6	1	0.6	3.4	1.2	Resistor	1.5	1.8	1000			No	160	110	0.3	WDFN-2x2-6
RT5712A	2.7	6	1	0.6	3.4	1.2	Resistor	2	2.9	1000			No	100	70	0.022	WDFN-2x2-6
RT5712B	2.7	6	1	0.6	3.4	1.2	Resistor	2	2.9	1000			No	100	70	0.3	WDFN-2x2-6
RT5712C	2.7	6	1	0.6	3.4	1.2	Resistor	2	2.9	1000			No	100	70	0.022	WDFN-2x2-6
RT5712D	2.7	6	1	0.6	3.4	1.2	Resistor	2	2.9	1000			No	100	70	0.3	WDFN-2x2-6
RT5712E	2.7	6	1	0.6	3.4	1.2	Resistor	2	2.9	1000			No	100	70	0.022	WDFN-2x2-6
RT5712F	2.7	6	1	0.6	3.4	1.2	Resistor	2	2.9	1000			No	100	70	0.3	WDFN-2x2-6
RT5715	2.5	5.5	1	1.2	3.3		Resistor	2	3.2	2700				100	80	0.03	WDFN-2x2-8S

Step-Down (Buck) Converter

Part Number	Vin (min) (V)	Vin (max) (V)	Number of Outputs	Vout (min) (V)	Vout (max) (V)	Preset Vout (V)	Output Adj. Method	Iout (max) (A)	Current Limit (typ) (A)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Ext Sync	Ron_HS (typ) (mOhm)	Ron_LS (typ) (mOhm)	Iq (typ) (mA)	Package Type
RT5735	2.5	5.5	1	0.6	1.39375	1.1	Digital	5		2400			No	34	18	0.07	WL-CSP-20B 1.6x2 (BSC)
RT5735A	2.5	5.5	1	0.6	1.39375		Digital	5		2400			No	34	18	0.07	WL-CSP-20B 1.6x2 (BSC)
RT5768A	2.7	5.5	1	0.6			Resistor	3	4	1000			No	69	49	0.11	WDFN-3x3-10
RT5784A/RT5784B	2.5	6	1	0.6	5	1.2	Resistor	2	2.5	1500			No	100	60	0.025	WDFN-8JL 2x1.5 (FC)
RT5785A/RT5785B	2.5	6	1	0.6	5		Resistor	2	2.5	1500			No	100	60	0.025	TSOT-23-8 (FC)
RT5795A	2.5	5.5	1	1.2	3.3	1.2	Resistor	2	3.2	2700			No	100	80	0.03	WDFN-2x2-8S
RT5796A	2.5	6	1	0.6	3.4	1.2	Resistor	1.5	1.8	1000				160	110	0.022	SOT-23-5;SOT-23-6; TSOT-23-5;TSOT-23-6
RT5796B	2.5	6	1	0.6	3.4	1.2	Resistor	1.5	1.8	1000			No	160	110	0.3	SOT-23-5;SOT-23-6; TSOT-23-5;TSOT-23-6
RT5796C	2.5	6	1	0.6	3.4	1.2	Resistor	1.5	1.8	1000			No	160	110	0.022	TSOT-23-5;TSOT-23-6
RT5796D	2.5	6	1	0.6	3.4	1.2	Resistor	1.5	1.8	1000			No	160	110	0.3	TSOT-23-5;TSOT-23-6
RT5797A	2.7	6	1	0.6	3.4	1.2	Resistor	3	3.7	1000			No	100	70	0.022	WDFN-2x2-8
RT5797B	2.7	6	1	0.6	3.4	1.2	Resistor	3	3.7	1000			No	100	70	0.3	WDFN-2x2-8
RT6200	4.5	36	1	0.8	15		Resistor	0.6	1.2	1200			No	350		0.55	SOT-23-6
RT6201A/RT6201B	4.5	18		0.765	8		Resistor	4	5.4	650			No	120	50	1	PSOP-8
RT6202A/RT6202B	4.5	18		0.765	8		Resistor	5	6.9	650			No	120	35	1	PSOP-8
RT6206A	4.5	18	1	0.765	7		Resistor	5.5	6.9	650			No	80	35	1	PSOP-8;PTSSOP-14; WDFN-3x3-10
RT6206B	4.5	18	1	0.765	8	5	Resistor	5.5	6.9	650			No	80	35	1	PSOP-8;WDFN-3x3-10
RT6207A/RT6207B	4.5	18	1	0.7	8		Resistor	5	6.7	650			No	60	22	0.8	UQFN-13JL 2x3 (FC)
RT6208	4.5	36	1	0.8			Resistor	0.1	0.225				No	3000	1500	0.16	SOT-23-6;SOT-23-8
RT6211A/RT6211B	4.5	18	1	0.8	6.5		Resistor	1.5	2.5	520	420	620	No	230	130	0.8	SOT-23-6
RT6212A/RT6212B	4.5	18	1	0.8			Resistor	2	3.3	500			No	163	86	0.5	TSOT-23-6 (FC)
RT6213A/RT6213B	4.5	18	1	0.8			Resistor	3	3.8	500			No	150	70	0.5	TSOT-23-6 (FC)
RT6214A/RT6214B	4.5	18	1	0.8	6.5	1.2	Resistor	3	4.5	500			No	100	50	0.5	TSOT-23-6 (FC)
RT6216E	4.5	23	1	0.791	6	1.05	Resistor	2	2.7	500			No	85	40	0.15	TSOT-23-8 (FC)
RT6216F	4.5	23	1	0.791	6	1.05	Resistor	2	2.7	800			No	85	40	0.15	TSOT-23-8 (FC)
RT6217E	4.5	23	1	0.791	6	1.05	Resistor	3	4.2	500			No	85	40	0.15	TSOT-23-8 (FC)
RT6217F	4.5	23	1	0.791	6	1.05	Resistor	3	4.2	800			No	85	40	0.15	TSOT-23-8 (FC)
RT6219	5	23	1	0.6	5		Resistor	4	6	500	450	550	No	67	41	0.1	WDFN-3x3-10
RT6220	4.5	23	1	0.6	5		Resistor	6		500	450	550	No	31	20	0.1	UQFN-16L 3x3 (FC)
RT6222A/RT6222B	4.3	18		0.6	8		Resistor	2.5	3.4	500				150	90	0.5	TSOT-23-6 (FC)
RT6222C/RT6222D	4.3	18		0.6	8		Resistor	2	2.9	1400				150	90	0.5	TSOT-23-6 (FC)
RT6232A/RT6232B	4.5	18	1	0.8			Resistor	2	3.3	500			No	210	120	0.5	WDFN-2x3-8
RT6233A/RT6233B	4.5	18	1	0.8			Resistor	3	3.8	500			No	195	105	0.5	WDFN-2x3-8
RT6234A/RT6234B	4.5	18	1	0.8	6.5	1.05	Resistor	3	4.5	500			No	130	70	0.8	WDFN-2x3-8
RT6236A/RT6236B	4.5	18	1	0.7	8		Resistor	6	7.7	650			No	51	18	0.8	UQFN-13JL 2x3 (FC)
RT6237A/RT6237B	4.5	18	1	0.7	8		Resistor	7	9.5	500			No	40	16	0.6	UQFN-14L 2x3 (FC)
RT6238A/RT6238B	4.5	18	1	0.7	8		Resistor	8	11	500			No	35	14	0.6	UQFN-14L 2x3 (FC)
RT6239A/RT6239B	4.5	18	1	0.7	8		Resistor	9	12.25	500			No	30	12	0.6	UQFN-14L 2x3 (FC)
RT6242A/RT6242B	4.5	18	1	0.7	8		Resistor	12	16	500	300	700	No	12	5.4	0.8	UQFN-16JL 3x3 (FC)
RT6251A/RT6251B	4.5	18	1				Resistor	3	6.2		200	1200	Yes	46	36		WQFN-14AL 3.5x3.5
RT6259A/RT6259B	4.5	18	1	0.765	7		Resistor	3	5	650			No	70	70	1	WQFN-3x3-16
RT6266	7.5	36	1	0.8	5.5	5	Resistor	2.4	4.4	100			No	100		0.8	PSOP-8
RT6268	7	36					Resistor	3.7	5.8	100				60		0.8	PSOP-8
RT6296A	4.5	17	1	0.807			Resistor	2		500	200	2000	Yes	100	40	0.8	TSOT-23-8 (FC)
RT6296B	4.5	17	1	0.807			Resistor	2	3	500	200	2000	Yes	100	40	0.8	TSOT-23-8 (FC)
RT6296C	4.5	17	1	0.807			Resistor	2	3.4	1400	300	3000	Yes	100	40	0.8	TSOT-23-8 (FC)
RT6296D	4.5	17	1	1	5		Resistor	2	4	800			Yes	100	40	0.8	TSOT-23-8 (FC)
RT6296E	6	17	1	0.807			Resistor	2	4.5	800				100	40	0.8	TSOT-23-8 (FC)
RT6296F	4.5	17	1	0.807			Resistor	2	3	500	200	2000	Yes	100	40	0.8	TSOT-23-8 (FC)
RT7231/RT7232/RT7233/RT7234	4.5	18	1	0.765	8		Resistor	4	5.85	650			No	120	50	1	PSOP-8;PTSSOP-14; WDFN-3x3-10

Step-Down (Buck) Converter

Part Number	Vin (min) (V)	Vin (max) (V)	Number of Outputs	Vout (min) (V)	Vout (max) (V)	Preset Vout (V)	Output Adj. Method	Iout (max) (A)	Current Limit (typ) (A)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Ext Sync	Ron_HS (typ) (mOhm)	Ron_LS (typ) (mOhm)	Iq (typ) (mA)	Package Type
RT7235/RT7236/ RT7239/RT7240	4.5	18	1	0.765	8		Resistor	5	6.85	650			No	120	35	1	PSOP-8;PTSSOP-14; WDFN-3x3-10
RT7237A	4.5	18	1	0.8	15		Resistor	2	4	340			No	150	130	0.8	PSOP-8
RT7237B	4.5	18	1	0.8	12		Resistor	2	4	1200			No	150	130	0.8	PSOP-8
RT7237C	4.5	18	1	0.8	12		Resistor	2	4	800			No	150	130	0.8	PSOP-8
RT7237J	4.5	18	1	0.8	15		Resistor	2	4	340			No	150	130	0.8	PSOP-8
RT7238B/RT7238C/ RT7238D/RT7238E	8	23	2	0.9;3.35;5.1	3.35;5.5;5.1	1.05;3.35;5.5.1	Fixed;Fixed; Resistor	8;8;8	12;9;9;9	500	450	550	No	27	10	0.11	UQFN-10L 3x3 (FC)
RT7235/RT7236/ RT7239/RT7240	4.5	18	1	0.765	8		Resistor	5	6.85	650			No	120	35	1	PSOP-8;PTSSOP-14; WDFN-3x3-10
RT7240A	4.5	18	1	0.765	8		Resistor	5	6.8	650			No	120	35	1	PSOP-8
RT7241A	4.5	23	1	0.6	1.5	1.35	Resistor	12	16	500	425	575	No	17	4.5	100	UQFN-18L 3x4 (FC)
RT7243	4.5	18	1	0.8			Resistor	6	11	480	200	1600	Yes	26	19	0.6	WQFN-14AL 3.5x3.5
RT7247A	4.5	18	1	0.8	15		Resistor	2	4	340			No	150	130	0.8	PSOP-8
RT7247B	4.5	18	1	0.8	12		Resistor	2	4	1200			No	150	130	0.8	PSOP-8
RT7247C	4.5	18	1	0.8	12		Resistor	2	5.1	800			No	150	130	0.8	PSOP-8
RT7248	4.5	18	1	0.923	15		Resistor	2	4	340			No	150	130	0.8	PSOP-8
RT7249	4.5	18	1	0.8	15		Resistor	3	5	500			No	85	72	0.8	WQFN-4x4-16
RT7250A/RT7250B	4	17	1	0.8	12		Resistor	2	3.6	340;800			No	155	150	0.6	PSOP-8
RT7251A/RT7251B	4	17	1	0.8	12		Resistor	1.5	3	340;800			No	145	140	0.6	WDFN-2x2-8
RT7252A/RT7252B	4	17	1	0.8	12		Resistor	2	3.6	340;800			No	155	150	0.6	PSOP-8
RT7253A	4.5	17	1	0.8	15		Resistor	3	5.1	340			No	120	120	0.8	PSOP-8
RT7256A	4.5	17	1	0.8	15		Resistor	3	5.1	340			No	110	90	0.8	PSOP-8
RT7256B	4.5	17	1	0.8	12		Resistor	3	5.1	1200			No	110	90	0.8	PSOP-8
RT7257A	4.5	18	1	0.8	15		Resistor	3	5.1	340			No	110	90	0.8	PSOP-8
RT7257B	4.5	18	1	0.8	12		Resistor	3	5.1	1200			No	110	90	0.8	PSOP-8
RT7257C	4.5	18	1	0.8	15		Resistor	3	5.1	340			No	110	90	0.8	PSOP-8
RT7257D	4.5	18	1	0.8	12		Resistor	3	5.1	1200			No	110	90	0.8	PSOP-8
RT7257G	4.5	18	1	0.8	12		Resistor	3	5.1	800			No	110	90	0.8	PSOP-8
RT7257J	4.5	18	1	0.8	15		Resistor	3	5.1	340			No	110	90	0.8	PSOP-8
RT7258	4.5	24	1	0.808	15		Resistor	8	13	600	300	1500	Yes	45		0.9	PSOP-8;WDFN-4x3-14
RT7259	4.5	24	1	0.808	15		Resistor	10	16	600	300	1500	Yes	45		0.9	WDFN-4x3-14
RT7262A	4.5	21	1	0.808	15		Resistor	2	5.5	500	300	2000	Yes	150	60	0.7	PSOP-8;WDFN-4x3-14
RT7262E	4.5	21	1	0.808	15		Resistor	2	5.5	500	300	2000	Yes	150	60	0.7	PSOP-8;WDFN-4x3-14
RT7263A	4.5	21	1	0.808	15		Resistor	3	6.5	500	300	2000	Yes	120	40	0.7	PSOP-8;WDFN-4x3-14
RT7263B	4.5	21	1	0.603	15		Resistor	3	6.5	500	300	2000	Yes	120	40	0.7	WDFN-4x3-14
RT7263E	4.5	21	1	0.808	15		Resistor	3	6.5	500	300	2000	Yes	120	40	0.7	PSOP-8;WDFN-4x3-14
RT7264A	4.5	21	1	0.808	15		Resistor	4	7.5	500	300	2000	Yes	120	40	0.7	PSOP-8;WDFN-4x3-14
RT7264E	4.5	21	1	0.808	15		Resistor	4	7.5	500	300	2000	Yes	120	40	0.7	PSOP-8;WDFN-4x3-14
RT7266	4.5	18	1	0.765	8		Resistor	3	4.1	700			No	90	60	0.7	PSOP-8
RT7270	4.5	18	1	0.925	15		Resistor	3	5.1	340			No	110	90	0.8	PSOP-8
RT7271A	4.5	17	1	0.6	5		Resistor	6	12	500			No	45	25	0.9	WL-CSP-1.65x1.95-12B
RT7272A	4.5	36	1	0.8	30		Resistor	3	5.5	500			No	150	80	0.9	PSOP-8
RT7272B	4.5	36	1	0.8	30		Resistor	3	5.5	500			No	150	80	0.9	PSOP-8
RT7273	4.5	18	3	0.8	17		Resistor	2.5;2.5;3.5	4;4;5	500	300	2200	Yes	95	50	20	WQFN-6x6-40
RT7274/RT7279/ RT7280/RT7281	4.5	18	1	0.765	8		Resistor	2	3.5	700			No	150	105	0.7	PSOP-8;PTSSOP-14; WDFN-3x3-10
RT7275/RT7276	4.5	18	1	0.765	8		Resistor	3	4.5	700			No	90	60	0.7	PTSSOP-14;WDFN-3x3-10
RT7277	4.5	18	1	0.765	8		Resistor	3	4.1	700			No	90	60	0.7	PSOP-8
RT7278	4.5	18	1	0.765	8		Resistor	3	4.1	700			No	90	60	0.7	PSOP-8
RT7285/RT7285A	4.3	18		0.6	8			1.5	2.2	500			No	230	130	0.5	SOT-23-6;TSOT-23-6
RT7285B	4.3	18	1	0.6	8		Resistor	1.5	2.2	500			No	230	130	0.5	TSOT-23-6
RT7285C	4.3	18		0.6	8		Resistor	1.5	2.2	500			No	230	130	0.5	SOT-23-6;TSOT-23-6
RT7285D	4.3	18		0.6	8		Resistor	1.5	2.2	500			No	230	130	0.5	TSOT-23-6
RT7290A	5	23	1	3.267	3.333	3.3	Fixed	6		500	450	550	No	31	20	0.1	UQFN-16L 3x3 (FC)
RT7291A/RT7291B	5	23	1	4.95;5.049	5.05;5.151	5;5.1	Fixed	6		500	450	550	No	31	20	0.1	UQFN-16L 3x3 (FC)

Linear Regulator (LDO)

Switching Regulators

Voice

LED Driver

Battery Management

Power Switch

Operational Amplifier

MOSFET Driver

PC System Buck Controller

Power Management Multi-Channel (CPM1IC)

Supervisor

AC/DC

Audio (mmu)

Motor

Step-Down (Buck) Converter

Part Number	Vin (min) (V)	Vin (max) (V)	Number of Outputs	Vout (min) (V)	Vout (max) (V)	Preset Vout (V)	Output Adj. Method	Iout (max) (A)	Current Limit (typ) (A)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Ext Sync	Ron_HS (typ) (mOhm)	Ron_LS (typ) (mOhm)	Iq (typ) (mA)	Package Type
RT7294A	4.3	18		0.6	8		Resistor	2.5	3.4	500			No	150	90	0.5	TSOT-23-6 (FC)
RT7294B	4.3	18		0.6	8		Resistor	2.5	3.4	500			No	150	90	0.5	TSOT-23-6 (FC)
RT7294C	4.3	18		0.6	8		Resistor	2.5	3.4	500				150	90	0.5	TSOT-23-6 (FC)
RT7294D	4.3	18		0.6	8		Resistor	2.5	3.4	500			No	150	90	0.5	TSOT-23-6 (FC)
RT7295A	4.3	18	1	0.6	8		Resistor	3.5	4.4	500				90	45	0.5	TSOT-23-6 (FC)
RT7295B	4.3	18	1	0.6	8		Resistor	3.5	4.4	500			No	90	45	0.5	TSOT-23-6 (FC)
RT7295C	4.3	18	1	0.6	8		Resistor	3.5	4.4	500			No	90	45	0.5	TSOT-23-6 (FC)
RT7295D	4.3	18	1	0.6	8		Resistor	3.5	4.4	500			No	90	45	0.5	TSOT-23-6 (FC)
RT7296A	4.5	17	1	0.807			Resistor	3	5	500	200	2000	Yes	80	30	0.8	TSOT-23-8 (FC)
RT7296B	4.5	17	1	0.807			Resistor	3	5	500	200	2000	Yes	80	30	0.8	TSOT-23-8 (FC)
RT7296C	4.5	17	1	0.807			Resistor	3	5	1400	300	3000	Yes	80	30	0.8	TSOT-23-8 (FC)
RT7296D	4.5	17	1	1	5		Resistor	3	5	800			Yes	80	30	0.8	TSOT-23-8 (FC)
RT7296E	6	17	1	0.807			Resistor	3	5	800				80	30	0.8	TSOT-23-8 (FC)
RT7296F	4.5	17	1	0.807			Resistor	3	5	500	200	2000	Yes	80	30	0.8	TSOT-23-8 (FC)
RT7297A	4.5	18	1	0.8	15		Resistor	3	5.1	340			No	110	90	0.8	PSOP-8
RT7297B	4.5	18	1	0.8	12		Resistor	3	5.1	1200			No	110	90	0.8	PSOP-8
RT7297C	4.5	18	1	0.8	12		Resistor	3	5.1	800			No	110	90	0.8	PSOP-8
RT7298A	4.5	18	1	0.6			Resistor	6	11	500	200	1600	Yes	26	19	0.6	WQFN-14AL 3.5x3.5
RT7298B	4.5	18	1	0.6			Resistor	6	11	500	200	1600	Yes	26	19	0.6	WQFN-14AL 3.5x3.5
RT7299B	4.5	18	1	1	5		Resistor	8	14.5		200	1600	Yes	26	19	0.6	WQFN-14AL 3.5x3.5
RT8003	2.4	5.5	1	0.5	5.5		Resistor	0.6	2	2000			No	230	180	0.2	VDFN-3x3-10
RT8004	2.65	5.5	1	0.8	5		Resistor	3	5.2	1000	300	4000	Yes	75	69	0.4	PTSSOP-16;VQFN-4x4-16
RT8004A	2.7	5.5	1	0.8	5		Resistor	4.5	5.5	1000	300	4000	Yes	75	69	0.4	PTSSOP-16;VQFN-4x4-16
RT8005	2.4	5.5	1	0.5	5.5		Resistor	1	1.8	2000			No	230	180	0.2	VDFN-3x3-10
RT8008	2.5	5.5	1	0.6	5.5	1.0;1.2;1.5;1.8;2.5;3.3	Fixed;Resistor	0.6	1.5	1500			No	300	250	0.05	SOT-23-5;TSOT-23-5
RT8009	2.5	5.5	1	0.5	5.5	1.0;1.2;1.3;1.5;1.8;2.5;3.3	Fixed;Resistor	0.6	1.5	1250			No	300	250	0.05	SOT-23-5;TSOT-23-5
RT8010/RT8010A	2.5	5.5	1	0.6	5.5	1.0;1.2;1.5;1.6;1.8;2.5;3.3	Fixed;Resistor	1	1.5	1500			No	280	250	0.05	WDFN-2x2-6;WQFN-3x3-16
RT8010B	2.5	4	1	0.6	4		Resistor	0.8	1.5	1500			No	280	250	0.05	WDFN-2x2-8
RT8010C	2.5	5.5	1	0.6	5.5		Resistor	1	1.5	1500			No	280	250	0.05	WDFN-2x2-6
RT8011/RT8011A	2.6	5.5	1	0.8	5		Resistor	2	3.2	1000	300	4000	Yes	110	110	0.46	MSOP-10;WDFN-3x3-10;WDFN-3x3-8 (0.5P)
RT8012A	2.6	5.5	2	0.8	5		Resistor	1;1.5	1.6;2.2	1200			No	180;300	260;90	0.83	WQFN-4x4-16
RT8015	2.6	5.5	1	0.8	5		Resistor	2	3.2	1000	300	2000	No	110	110	0.46	PSOP-8
RT8015A	2.6	5.5	1	0.8	5		Resistor	3	3.8	1000	300	2000	No	110	110	0.46	WDFN-3x3-10
RT8015B	2.6	5.5	1	0.8	5		Resistor	3	3.8	1000	300	2000	No	110	110	0.46	WDFN-3x3-10
RT8015D	2.6	5.5	1	0.8	5		Resistor	3	3.8	1000	300	2000	No	110	110	0.46	WDFN-3x3-10
RT8016	2.5	5.5	1	0.6	5.5	1.0;1.1;1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.9;3.0;3.1;3.2;3.3	Fixed;Resistor	1	2	1500			No	280	250	0.05	WDFN-2x2-6
RT8016L	2.5	5.5	1	0.6	5.5	1.0;1.1;1.2;1.3;1.4;1.5;1.6;1.7;1.8;1.9;2.0;2.1;2.2;2.3;2.4;2.5;2.6;2.7;2.8;2.9;3.0;3.1;3.2;3.3	Fixed;Resistor	0.6	1.5	1500			No	280	250	0.05	WQFN-1.6x1.6-8 (COL)
RT8020	2.5	5.5	2	0.6	5.5	1.2;1.3;1.8;2.5;3.3	Fixed;Resistor	1	1.5	1500			No	280	250	0.05	WDFN-3x3-12
RT8020E	2.5	5.5	2	1.2	1.8	1.2;1.8	Fixed	1	1.5	1500			No	280	250	0.05	WDFN-3x3-12
RT8023	2.6	5.5	3	0.8	5		Resistor	1.5	2.3	1200			No	150	90	0.3	WQFN-4x4-24
RT8024	2.5	5.5	1	0.6	5.5	1.0;1.2;1.5;1.8;2.5;3.3	Fixed;Resistor	0.4	1.5	1500			No	300	250	0.05	SOT-23-5;TSOT-23-5
RT8025	2.5	5.5	1	0.5	5.5	1.0;1.2;1.3;1.5;1.8;2.5;3.3	Fixed;Resistor	0.4	1.5	1250			No	300	250	0.05	SOT-23-5;TSOT-23-5
RT8026	2.7	5.5	1	1	5.5		Resistor	1	1.5	1500			No	280	250	0.05	MSOP-10
RT8030	2.6	5.5	1	0.8	5		Resistor	1	3.2	2200	300	2500	No	150	160	0.46	SOP-8
RT8032	3	5.5	1	0.8	5		Resistor	1.2	1.9	1200			No	230	230	0.55	WDFN-4x3-12
RT8035	2.5	5.5	2	0.6	5.5		Resistor	0.8	1.5	1250			No	250	260	0.07	WDFN-3x3-10
RT8035A	2.5	6	2	0.6	5.5		Resistor	0.8	1.5	1250	1000	1500	No	250	260	0.07	WDFN-3x3-10
RT8036	2.5	5.5	5	1	3.3	1.0;1.2;1.3;1.8;2.6;2.8;3.0;3.3	Fixed	0.6	1.8	1500			No	280	250	0.04	WQFN-3x3-20
RT8048	2.5	5.5	1	0.6			Resistor	1	1.5	3000			No	250	260	0.081	WDFN-2x2-6
RT8055	2.6	5.5	1	0.8	5		Resistor	3	4	1800	300	2000	No	100	100	0.5	PSOP-8;WDFN-3x3-10

Linear Regulator (LDO)

Switching Regulators

Voice

LED Driver

Battery Management

AC/DC

Supervisor

Audio

Power Switch

MOSFET Driver

PC System Buck Controller

Operational Amplifier

Power Management Multi-Channel IC (PMIC)

Motor

Step-Down (Buck) Converter

Part Number	Vin (min) (V)	Vin (max) (V)	Number of Outputs	Vout (min) (V)	Vout (max) (V)	Preset Vout (V)	Output Adj. Method	Iout (max) (A)	Current Limit (typ) (A)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Ext Sync	Ron_HS (typ) (mOhm)	Ron_LS (typ) (mOhm)	Iq (typ) (mA)	Package Type
RT8055B	2.6	5.5	1	0.8	5		Resistor	3	4	1800	300	2000	No	100	100	0.5	WDFN-3x3-10
RT8056	2.8	5.5	2	0.6	5.5		Resistor	1	1.5	1500			No	280	290	0.3	WDFN-3x3-10
RT8057	2.7	5.5	1	0.6			Resistor	1	1.5	2250			No	250	200	0.081	WDFN-2x2-6S
RT8057A	2.7	5.5	1	0.6			Resistor	1	1.5	2250			No	250	200	0.081	TSOT-23-5;WDFN-2x2-6S
RT8058	2.6	5.5	1	0.6	5		Resistor	2	3	1000			No	142	96	0.34	WQFN-3x3-16
RT8058A	2.6	5.5	1	0.6	5		Resistor	2	3	1200			No	142	96	0.34	WDFN-3x3-10
RT8059	2.8	5.5	1	0.6	5.5		Resistor	1	1.5	1500			No	280	250	0.078	TSOT-23-5
RT8060	2.7	5.5	1	0.6			Resistor	1	1.5	1500			No	250	200	0.078	SOT-23-5
RT8060A	2.7	5.5	1	0.6			Resistor	1	1.5	1500			No	250	200	0.078	SOT-23-5
RT8061A	2.7	5.5	1	0.6	5.5		Resistor	3	4	1000			No	69	49	0.11	WDFN-3x3-10
RT8062	2.7	5.5	1	0.8	5		Resistor	2	3.5	1000	200	2000	No	180	120	0.46	PSOP-8
RT8063	2.7	5.5	1	0.8	5		Resistor	3	4.5	1000	200	2000	No	120	80	0.46	PSOP-8
RT8064	2.7	5.5	1	0.8	5		Resistor	2	3.5	1000	200	2000	No	180	120	0.46	PSOP-8;WDFN-3x3-8
RT8065	2.7	5.5	1	0.8	5		Resistor	3	4.5	1000	200	2000	No	120	80	0.46	PSOP-8;WDFN-3x3-8
RT8068A	2.7	5.5	1	0.6	5.5		Resistor	3	4	1000	800	1200	No	69	49	0.11	PSOP-8;WDFN-3x3-10
RT8070	2.7	5.5	1	0.8	5		Resistor	4	5.8	1000	200	2000	No	110	70	0.46	PSOP-8;WDFN-3x3-8
RT8071A	2.7	5.5	1	0.6	5.5		Resistor	3	4.8	1000			No	69	49	0.11	WDFN-3x3-10
RT8071B	2.7	5.5	1	0.6	5.5		Resistor	3	4.8	1000	800	1200	No	69	49	0.11	WDFN-3x3-10
RT8071C	2.7	5.5	1	0.6			Resistor	3	4.8	1000			No	69	49	0.4	WDFN-3x3-10
RT8071D	2.7	5.5	1	0.6			Resistor	3	4.8	1000			No	69	49	0.11	WDFN-3x3-10
RT8072	2.9	5.5	1	0.8			Resistor	5	8	1400	300	2000	No	50	35	0.25	PSOP-8;WDFN-3x3-12
RT8073	2.9	5.5	1	0.8			Resistor	6	9	1400	300	2000	No	50	35	0.25	PSOP-8;WDFN-3x3-12
RT8074	2.7	5.5	1	0.8	5		Resistor	4	5.8	1000	200	2000	No	110	70	0.46	PSOP-8
RT8075	2.5	5.5	2	0.6			Resistor	1	1.5	1250			No	250	260	0.07	WDFN-3x3-10
RT8077	2.6	5.5	1	0.8	5		Resistor	2		1800	300	2000	No	90	90	0.27	WDFN-2x2-8
RT8078A	2.7	5.5	1	0.6	5.5		Resistor	4	4.4	1000			No	69	49	0.11	PSOP-8;WDFN-3x3-10
RT8079	2.95	6	1	0.827	3.6		Resistor	3	6.6	1000	300	2000	Yes	45	42	0.55	WQFN-3x3-16
RT8079A	2.95	6	1	0.827	3.6		Resistor	3	6.6	1000	300	2000	Yes	45	42	0.55	WQFN-3x3-16
RT8080	2.8	5.5	1	0.6	5.5		Resistor	1	1.5	1500			No	250	250	0.078	WDFN-2x2-6
RT8082	2.7	5.5	1	1	5		Resistor	3	5	2000			No	75	55	0.57	WDFN-3x3-12E
RT8085A	2.95	5.5	1	0.6	3.3		Ext Vref; Resistor	6	9	700			No	38	20	0.35	WDFN-3x3-12
RT8086B	2.8	5.5	1	0.6	3.3		Resistor	3.5		1200			No	50	40	0.06	UQFN-2x2-12 (FC)
RT8088A	2.5	5.5	1	0.6	1.4	1.225	Digital	3	3.9	2700				48	22	0.075	WL-CSP-1.31x2.11-15B
RT8089A	2.7	5.5	1	0.6			Resistor	3	4.8	1000			No	69	49	0.11	WDFN-3x3-10
RT8092	2.5	5.5		0.303125	2.8		Digital;Fixed		6.2							0.06	WL-CSP-15B 1.2x2; WQFN-3.5x3.5-14
RT8093	2.5	5.5	1	0.6	1.4	1.225	Digital	3	3.9	2700			No	48	22	0.075	WL-CSP-1.31x2.11-15B
RT8096A	2.5	6	1	0.6	3.4	1.2	Resistor	1	1.5	1500			No	160	110	0.022	SOT-23-5;SOT-23-6; TSOT-23-5;TSOT-23-6
RT8096B	2.5	6	1	0.6	3.4	1.2	Resistor	1	1.5	1500			No	160	110	0.3	SOT-23-5;SOT-23-6; TSOT-23-5;TSOT-23-6
RT8096C	2.5	6	1	0.6	3.4	1.2	Resistor	1	1.5	1500			No	160	110	0.022	TSOT-23-5;TSOT-23-6
RT8096D	2.5	6	1	0.6	3.4	1.2	Resistor	1	1.5	1500			No	160	110	0.3	TSOT-23-5;TSOT-23-6
RT8097A	2.7	6	1	0.6	3.4	1.2	Resistor	2	3.1	1000			No	100	70	0.022	SOT-23-5;SOT-23-6
RT8097B	2.7	6	1	0.6	3.4	1.2	Resistor	2	3.1	1000			No	100	70	0.3	SOT-23-5;SOT-23-6
RT8097C	2.7	5.5	1	0.6	3.4	1.2	Resistor	2	3.1	1000			No	100	70	0.022	SOT-23-5;SOT-23-6
RT8097D	2.7	5.5	1	0.6	3.4	1.2	Resistor	2	3.1	1000			No	100	70	0.3	SOT-23-5;SOT-23-6
RT8099/RT8099A	2.7	5.5	1	0.7	5		Resistor	0.6	1.5	1500			No	280	250	0.02	UDFN-1.6x1.6-6
RT8250	4.5	23	1	0.925	20		Resistor	3	5.5	340			No	100	85	0.7	PSOP-8
RT8251	4.75	24	1	0.8	15		Resistor	5	6.8	570			No	70		0.8	PSOP-8;WQFN-3x3-16
RT8252A	4.5	23	1	0.8	20		Resistor	2	4.5	340			No	130	130	0.8	PSOP-8
RT8252B	4.5	23	1	0.8	20		Resistor	2	4.5	1200			No	130	130	0.8	PSOP-8
RT8253A	4.5	23	1	0.8	20		Resistor	3	5.8	340			No	85	85	0.8	PSOP-8

Step-Down (Buck) Converter

Part Number	Vin (min) (V)	Vin (max) (V)	Number of Outputs	Vout (min) (V)	Vout (max) (V)	Preset Vout (V)	Output Adj. Method	Iout (max) (A)	Current Limit (typ) (A)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Ext Sync	Ron_HS (typ) (mOhm)	Ron_LS (typ) (mOhm)	Iq (typ) (mA)	Package Type
RT8253B	4.5	23	1	0.8	20		Resistor	3	5.8	1200			No	85	85	0.8	PSOP-8
RT8256	4.75	22	1	1.22	16		Resistor	2	2.7	400			No	180		0.7	SOP-8
RT8258	4.5	24	1	0.8	15		Resistor	1.2	2.1	700			No	300		0.55	SOT-23-6;TSOT-23-6
RT8259	4.5	24	1	0.8	15		Resistor	1.2	2.1	1400			No	300		0.55	SOT-23-6;TSOT-23-6
RT8259A	4.5	24	1	0.8	15		Resistor	1.5	2.4	1400			No	300		0.55	SOP-8
RT8260A	4.5	24	1	0.8	15		Resistor	1.8	2.9	1400			No	300		0.55	WDFN-2x2-8
RT8265	4.75	24	1	0.8	15		Resistor	3	5	1000			No	110		0.8	PSOP-8
RT8267	4.75	22	1	1.222	16		Resistor	2	2.7	400			No	180		0.7	SOP-8
RT8268	4.75	24	1	0.92	16		Resistor	2	3	400			No	180		0.6	PMSOP-10;SOP-8
RT8269	4.75	24	1	0.92	15		Resistor	3	4.4	400			No	100		0.8	PSOP-8
RT8270	4.75	22	1	1.222	16		Resistor	2	3	1200			No	180		0.7	SOP-8
RT8271	4.75	24	1	0.92	16		Resistor	2	3	1200			No	180		0.6	PMSOP-10;SOP-8
RT8272	4.75	24	1	0.92	15		Resistor	3	4.1	1200			No	100		0.8	PSOP-8
RT8274	4.75	24	1	1.222	15		Resistor	3	4.4	400			No	100		0.8	PSOP-8
RT8278	4.5	24	1	0.8	15		Resistor	2	3	2200	220	3000	No	180		0.8	PSOP-8
RT8279	5.5	36	1	1.222	26		Resistor	5	7.5	500	425	575	No	110		0.6	PSOP-8
RT8280	4.5	24	1	0.8	15		Resistor	3	5	2200	220	3000	No	110		0.8	PSOP-8
RT8280H	4.5	24	1	0.8	15		Resistor	3	5	2200	220	3000	No	110		0.8	PSOP-8
RT8282A	4.5	23	1	0.8	20		Resistor	2	4.5	340			No	130	130	0.8	PSOP-8
RT8282B	4.5	23	1	0.8	20		Resistor	2	4.5	1200			No	130	130	0.8	PSOP-8
RT8283A	4.5	23	1	0.8	20		Resistor	3	5.8	340			No	85	85	0.8	PSOP-8
RT8283B	4.5	23	1	0.8	20		Resistor	3	5.8	1200			No	85	85	0.8	PSOP-8
RT8284	4.5	23	1	0.923	20		Resistor	2	4.5	340			No	130	130	0.8	PSOP-8;SOP-8
RT8284N	4.5	23	1	0.923	20		Resistor	2	4.3	340			No	130	130	0.8	PSOP-8;SOP-8
RT8286	4.5	21	1	0.808	15		Resistor	2	5	500			No	150	60	0.7	PSOP-8
RT8287	4.5	21	1	0.808	15		Resistor	3	6.5	500			No	120	40	0.7	WDFN-4x3-14
RT8287A	4.5	21	1	0.808	15		Resistor	4	7	500			No	120	40	0.7	WDFN-4x3-14
RT8288	4.5	21	1	0.808	15		Resistor	3	6.5	500			No	120	40	0.7	PSOP-8
RT8288A	4.5	21	1	0.808	15		Resistor	4	7	500			No	120	40	0.7	PSOP-8
RT8289	5.5	32	1	1.222	26		Resistor	5	6.8	500			No	100		0.8	PSOP-8
RT8290	4.5	23	1	0.925	20		Resistor	3	5.1	340			No	100	85	0.8	PSOP-8
RT8290A	4.5	23		0.925	20		Resistor	3	5.1	340	300	380	No	100	85	0.8	PSOP-8
RT8292A	4.5	23	1	0.8	20		Resistor	2	4.3	340			No	130	130	0.8	PSOP-8
RT8292B	4.5	23	1	0.8	15		Resistor	2	4.3	1200			No	130	130	0.8	PSOP-8
RT8293A	4.5	23	1	0.8	20		Resistor	3	5.1	340			No	85	85	0.8	PSOP-8
RT8293B	4.5	23	1	0.8	15		Resistor	3	5.1	1200			No	85	85	0.8	PSOP-8
RT8294	4.5	23	1	0.923	20		Resistor	2	4.3	340			No	130	130	0.8	PSOP-8;SOP-8
RT8294A	4.5	23	1	0.923	20		Resistor	2	4.3	340			No	130	130	0.8	PSOP-8;SOP-8
RT8295A	4.5	23	1	0.8	20		Resistor	2	4.3	340			No	130	130	0.8	PSOP-8
RT8295B	4.5	23	1	0.8	15		Resistor	2	4.3	1200			No	130	130	0.8	PSOP-8
RT8296A	4.5	23	1	0.8	20		Resistor	3	5.1	340			No	85	85	0.8	PSOP-8
RT8296B	4.5	23	1	0.8	15		Resistor	3	5.1	1200			No	85	85	0.8	PSOP-8
RT8297A/RT8297B	4	17	1	0.8	12		Resistor	1.5	3	340;800			No	145	140	0.6	WDFN-2x2-8
RT8298	4.5	24	1	0.8	15		Resistor	6	10	600	300	1500	Yes	45		0.9	PSOP-8;WDFN-4x3-14
RT8298A	4.5	24		0.8	15		Resistor	6	10	600	300	1500	Yes	45		0.9	PSOP-8
RT8298E	4.5	24	1	0.8	15		Resistor	6	10	600	300	1500	Yes	45		0.9	PSOP-8;WDFN-4x3-14
RT8299	3	24	1	0.8	15		Resistor	3	5.5	500			No	100	100	1	PSOP-8;WDFN-3x3-10
RT8299A	3	24	1	0.8	15		Resistor	3	5.5	500			No	100	100	1	PSOP-8;WDFN-3x3-10

Linear Regulator (LDO)

Switching Regulators

Voice

LED Driver

Battery Management

AC/DC

Supervisor

Audio

Power Switch

MOSFET Driver

PC System Buck Controller

Operational Amplifier

Power Management Multi-Channel IC (PMIC)

Motor

Buck/Boost Converter

Part Number	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Iout (max) (A)	Current Limit (typ) (A)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Ron_HS (typ) (mOhm)	Ron_LS (typ) (mOhm)	Iq (typ) (mA)	Features	Package Type
RT1741A	1.8	5.5	1.8	5.5	3	4.5	2400	2200	2600	50	50	0.02	OCP;OVP;UVP	WDFN-14AL 4x3
RT6150A/RT6150B	1.8	5.5	1.8	5.5	0.8		1000	800	1200	150	150	0.06	Current Mode Control;Enable Input;Internal Compensation;OCP	WDFN-2.5x2.5-10;WDFN-3x3-10
RT6154A/RT6154B	1.8	5.5	1.8	5.5	4	5	2400	2200	2600	50	50	0.02	Enable Input;External Synchronization;Internal Compensation;OCP;OVP; Power Good	WDFN-14AL 4x3

Step-Up (Boost) Controller

Part Number	Vin (min) (V)	Vin (max) (V)	Iq (typ) (mA)	VFB (typ) (V)	Freq (typ) (kHz)	Duty (max) (%)	Features	Package Type
RT8525	4.5	29	1.3	1.25	200	90	Adjustable Current Limit;Adjustable Frequency;Adjustable Soft-Start;Current Mode Control; Enable Input;OCP;OVP;Power Good;UVP	SOP-14
RT8525C	4.5	29	1.3	1.25	200	90	Adjustable Current Limit;Adjustable Frequency;Adjustable Soft-Start;Current Mode Control; Enable Input;OCP;OVP;Power Good;UVP	SOP-14
RT8525D	4.5	25	1.3	1.25	200	90	Adjustable Current Limit;Adjustable Frequency;Adjustable Soft-Start;Current Mode Control; Enable Input;OCP;OVP;Power Good;UVP	WDFN-3x3-12
RT8560	7	40	4		1000	88	Adjustable Soft-Start;Current Mode Control;Enable Input;OCP;OVP	WQFN-4x4-20
RT8560A	6	40	4		1000	88	Adjustable Soft-Start;Current Mode Control;Enable Input;OCP;OVP	WQFN-4x4-20
RT9288A	3	13.5	2	0.5	1000	90	Enable Input;SCP	SOT-23-6

Step-Down (Buck) Controller

Part Number	Vs (typ) (V)	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Preset Vout (V)	Output Adj. Method	Accuracy (+/- %)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Iq (typ) (mA)	Package Type
RT2701		4.5	13.2	0.5	2		Ext Vref	1				3.5	WQFN-4x4-24
RT34063A	12	3	30	2	5		Resistor	2	100			3	DIP-8;SOP-8
RT6551A/RT6551B	5	4.5	26	0.675	3.3		Resistor	1				0.135	WQFN-3x3-20
RT6575A/RT6575B	12	5	25	2	5.5		Resistor	1	300	240	360	0.015	WQFN-3x3-20
RT6575C/RT6575D	12	5	25	2	5.5		Resistor		240	300	360	0.015	WQFN-3x3-20
RT6576A/RT6576B	12	5	25	2	5.5		Resistor		300	240	360	0.015	WQFN-3x3-20
RT6576C/RT6576D	12	5	25	2	5.5		Resistor		300	240	360	0.015	WQFN-3x3-20
RT6585A/RT6585B	12	5	25	2	5.5		Resistor	1	400	320	480	0.015	WQFN-3x3-20
RT7255		4.3	18	0.6	8				500			0.5	SOT-23-8
RT8100	12	2.5	12	0.8	3.3		Resistor	1.5	200	50	1000	10	WQFN-3x3-16
RT8100A	12	2.5	12	0.8	3.3		Resistor	1.5	200	50	1000	10	WQFN-3x3-16
RT8101/RT8101A	12	3.3	12	0.8	5		Resistor	1	300;600			3	PSOP-8;SOP-8
RT8105	12;5	3.3	12	0.8	5		Resistor	2	300			6	SOP-8
RT8105A	12;5	3.3	12	0.8	5		Resistor	2	300			4	SOP-8
RT8106/RT8106A	12;5	3.3	12	0.8	5		Resistor	0.8	300;600			4	WDFN-3x3-10
RT8108	12	3.3	12	0.6	5		Resistor	1	200;300;500	200	500	2.5	PSOP-8;SOP-8
RT8109	12	3.3	12	0.6	5		Resistor	1	300	250	350	2.5	WDFN-3x3-10
RT8110	5	5	23	0.8	5		Resistor	2	400			3	TSOT-23-8
RT8110A	5	10	23	0.8	5		Resistor	2	600			3	PSOP-8
RT8110B	5	10	28	0.8	5		Resistor	2	400			3	TSOT-23-8
RT8110C	5	10	28	0.8	5		Resistor	2	400			3	TSOT-23-8
RT8115A	12;5	2.5	21	0.8	15		Resistor	0.875	300			2	WDFN-3x3-10
RT8116	12;5	2	12	0.8	5		Resistor	1	200;275			2	PSOP-8;SOP-8
RT8120	12;5	3	13.2	0.6	5		Resistor	1	300			1.5	PSOP-8;SOP-8
RT8120E/RT8120F	12;5	3	13.2	0.6	5		Resistor	1	300			1.5	PSOP-8;SOP-8
RT8120G/RT8120H	12;5	3	13.2	0.6	5		Resistor	1	300			1.5	PSOP-8;SOP-8

Step-Down (Buck) Controller

Part Number	Vs (typ) (V)	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Preset Vout (V)	Output Adj. Method	Accuracy (+/- %)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Iq (typ) (mA)	Package Type
RT8120J/RT8120K	12;5	3	13.2	0.6	5		Resistor	1;1.5	300			1.5	PSOP-8;SOP-8
RT8121	12	4.5	13.2	0.8	5		Resistor	0.5	200	180	220	6	WQFN-3x3-20
RT8122	5	4.5	26	0.8	5		Resistor	1	300;350;400;600			2	WQFN-4x4-28
RT8123A	12;5	1.5	19	0.8	5	1.05	Resistor	0.5	200	100	1000	3.5	WQFN-3x3-16
RT8124A	12	3.3	12	0.6	5		Resistor	1	300	250	350	2.5	WDFN-3x3-10
RT8125C/RT8125D	12;5	1.5	24	0.3	3.3		Ext Vref;Resistor	1	300	270	330	0.5	WDFN-3x3-10
RT8125E	12;5	1.5	24	0.3	3.3		Ext Vref;Resistor	1	300	270	330	0.5	WDFN-3x3-10
RT8126A/RT8126B/RT8126C	12;5	2.5	24	0.6	5	1.5	Resistor	1	300	270	330	0.5	WDFN-3x3-10
RT8127	5	4.5	26	0.8	5		Resistor	1	300;350;400;600			2	WQFN-4x4-28
RT8127A	5	4.5	26	0.8	5		Resistor	1	300;350;400;600			2	WQFN-4x4-28
RT8128A/RT8128C	5	2.5	24	0.6	5	1.5	Resistor	1	300	270	330	0.5	PSOP-8
RT8129A	12;5	2.5	25	0.8	3.3		Resistor	1	300	270	330		WDFN-3x3-10
RT8130A	12;5	2.5	21	0.8	18		Resistor	1	300			2	WDFN-3x3-10
RT8130B	12;5	2.5	21	0.8	15		Resistor	1	300			2	WDFN-3x3-10
RT8159	12	3.3	12	0.8	5		Resistor	1	300	230	1000	3	SOP-14
RT8159A	12	3.3	12	0.8	5		Resistor	1	300	230	1000	3	SOP-14
RT8159E	12	3.3	12	0.8	5		Resistor	1	300	230	1000	5	SOP-14
RT8202/RT8202A/RT8202B	5	4.5	26	0.75	3.3		Resistor	1	300	200	600	0.34	WQFN-3.5x3.5-14;WQFN-3x3-16;WQFN-4x4-16
RT8202L/RT8202M	5	3	26	0.75	3.3		Resistor	1	300	200	600	0.34	WQFN-3x3-16;WQFN-4x4-16
RT8203	5	7	24	2	5.5	3.3;5	Resistor	1.5	300;400	200	500	0.7	SSOP-28
RT8204A	5	3	26	0.75	3.3		Resistor	1	300	200	600	0.34	WQFN-3x3-16
RT8204B	5	3	26	0.75	3.3		Resistor	1	300	200	600	0.34	WQFN-3x3-16
RT8204C	5	4.5	26	0.75	3.3		Resistor	1	300	200	600	0.34	WQFN-3x3-16
RT8204L	5	4.5	26	0.75	3.3		Resistor	1	300	200	600	0.34	WQFN-3x3-16
RT8207	5	2.5	26	0.75	3.3		Resistor	1	300	200	600	0.47	WQFN-4x4-24
RT8207K	12	4.5	26	0.75	3.3	1.5					450	0.47	WQFN-3x3-20
RT8207L/RT8207M	12	4.5	26	0.75	3.3		Resistor	1	300	200	600	0.47	WQFN-3x3-20;WQFN-4x4-24
RT8207N	12	4.5	26	0.75	3.3		Resistor	1	300	200	600	0.47	WQFN-4x4-24
RT8207P	12	4.5	26	0.75	3.3		Resistor	1	300	200	600	0.47	WQFN-3x3-20
RT8207Q	12	4.5	26	0.75	3.3		Resistor	1	300	200	600	0.47	WQFN-4x4-24
RT8208A/RT8208B	5	4.5	26	0.75	3.3		Resistor	1	300	200	600	1.25	WQFN-3x3-16
RT8208D	5	4.5	26	0.75	3.3		Resistor	1	300	200	600	1.25	WQFN-3x3-16
RT8208E/RT8208F	5	4.5	26	0.75	3.3		Resistor	1	300	200	600	1.25	WQFN-3x3-16
RT8209A/RT8209B/RT8209C	5	4.5	26	0.75	3.3		Resistor	1	300	200	600	0.5	TSSOP-14;WQFN-3.5x3.5-14;WQFN-3x3-16
RT8209L/RT8209M	5	4.5	26	0.75	3.3		Resistor	1	300	200	600	0.5	WQFN-3.5x3.5-14;WQFN-3x3-16
RT8209N/RT8209P	5	4.5	26	0.75	3.3		Resistor	1	300	200	600	0.5	WQFN-3.5x3.5-14;WQFN-3x3-16
RT8228A	5	4.5	26	0.5	3.3		Resistor	1	300	200	600	0.5	WQFN-2x2-12
RT8228B	5	4.5	26	0.5	3.3		Resistor	1	300	200	600	0.5	WQFN-2x2-12
RT8230A/RT8230B/RT8230C/ RT8230D/RT8230E		5	25	2	5.5		Resistor	1	300;355			0.15	WQFN-3x3-20
RT8231A/RT8231B		4.5	26	0.675	3.3		Resistor	1				0.135	WQFN-3x3-20
RT8234A	12	4.5	26	0.75	3.3		Resistor	1	300	200	600	0.5	WQFN-3x3-16
RT8237A/RT8237B	5	4.5	26	0.7	3.3		Resistor	0.5	290;340;380;430			0.5	WDFN-3x3-10;WQFN-2x2-12
RT8237C/RT8237D	5	4.5	26	0.7	3.3		Resistor	0.5	290;340;380;430			0.5	WDFN-3x3-10;WQFN-2x2-12
RT8237E	5	4.5	26	0.7	3.3		Resistor	0.5	290;340;380;430			0.5	WDFN-3x3-10
RT8237F	5	4.5	26	0.7	3.3		Resistor	0.5	290;340;380;430			0.5	WDFN-3x3-10
RT8238A	5	4.5	26	0.5	3.3		Resistor	1	300	200	600	0.5	WQFN-2x2-12
RT8238B	5	4.5	26	0.5	3.3	1	Resistor	1	300	200	500	0.5	WQFN-2x2-12
RT8239A/RT8239B/RT8239C	19	5.5	25	2	5.5		Resistor	1.2	300	200	466	1	WQFN-3x3-20

Step-Down (Buck) Controller

Part Number	Vs (typ) (V)	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Preset Vout (V)	Output Adj. Method	Accuracy (+/- %)	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Iq (typ) (mA)	Package Type
RT8240A/RT8240B/RT8240C	5	4.5	26	1	3.6		Digital;Resistor	0.5	300;400;500	300	500	0.5	WQFN-2x2-12
RT8241	5	4.5	26	0.675	3.3		Digital;Resistor	1	300;400;500			0.5	WQFN-2x2-12
RT8241D	5	4.5	26	0.675	3.3		Digital;Resistor	1	300			0.5	WQFN-2x2-12
RT8241E	5	4.5	26	0.675	3.3		Digital;Resistor	1	300			0.5	WQFN-2x2-12
RT8243A/RT8243B/RT8243C	19	5.5	25	2	5.5		Resistor	1.2	300	200	466	1	WQFN-3x3-20
RT8245A/RT8245B/RT8245C	19	5.5	25	2	5.5		Resistor	1.2	300	200	466	1	WQFN-3x3-20
RT8248A		4.5	26	0.675	3.3		Resistor	1				0.135	WQFN-3x3-20
RT8249A/RT8249B/RT8249C	12;19	5	25	2	5.5		Resistor	1	400	320	480	0.015	WQFN-3x3-20
RT8809	12	4.5	13.2		2		Ext Vref;Resistor	1	300			4	WQFN-4x4-24
RT8809A/RT8809B	12	4.5	13.2	0.5	2		Ext Vref;Resistor	1	300			4	WQFN-4x4-24
RT8811B	12	7	20	0.3	2		Digital;Ext Vref;Resistor	0.5		250	800	2	WQFN-4x4-24
RT8811C	12	7	20	0.3	2		Digital;Ext Vref	1		250	800	2	WQFN-4x4-24
RT8812A	5	7	26	0.3	2		Ext Vref;Resistor	1	300	150	600	1.5	WQFN-3x3-20
RT8812C	5	5	26	0.3	2		Ext Vref;Resistor	1	300	150	600	1.5	WQFN-3x3-20
RT8813A	5	7	26	0.3	2		Ext Vref;Resistor	1	300	150	600	1.5	WQFN-4x4-24
RT8813C	5	7	26	0.3	2		Ext Vref;Resistor	1	300	150	600	1.5	WQFN-4x4-24
RT8815A	5	5	26	0.3	2	0.9			300	150	600	1.5	WQFN-3x3-20
RT8863		7	28	0.8	7		Resistor	1	450	250	580	2	WQFN-5x5-32
RT9203/RT9203A	5	5	12	0.8	3.3		Resistor	2	300			3	SOP-8
RT9206		4.75	28	0.8	5		Resistor	2	200	160	240	1.3	SOP-16
RT9214	12	3.3	12	0.8	5		Resistor	2	300			6	PSOP-8;SOP-8
RT9214A	12	3.3	12	0.8	5		Resistor	2	300			6	PSOP-8;SOP-8
RT9214C	12	3.3	12	0.8	5		Resistor	1	300			6	PSOP-8;SOP-8
RT9218	12;5	4.5	13.2	0.8	5		Resistor	2	300			6	SOP-14
RT9218A	12;5	4.5	13.2	0.8	5		Resistor	2	300			6	SOP-14
RT9218B	12;5	4.5	13.2	0.8	5		Resistor	1	300			6	SOP-14
RT9218C	12;5	4.5	13.2	0.8	5		Resistor	1	300			6	SOP-14
RT9232A	12	3.3	12	0.8	5		Resistor	1	200	50	800	3	SOP-14
RT9259	12	3.3	12	0.8	5		Resistor	1	300	150	1000	3	SOP-14;SSOP-16;WQFN-4x4-16
RT9259A	12	3.3	12	0.8	5		Resistor	1	300	150	1000	3	SOP-14
RT9628A	5	4.5	26									0.15	WQFN-4x4-24

Multi-Phase Step-Down (Buck) Controller

Part Number	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Number of Phases	Accuracy (Vout>=1V) (+/- %)	Freq Adj	Freq (typ) (kHz)	Features	Package Type
RT8805	10.8	13.2	0.8	5	2	1.5	Yes	300	Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;OCP;Power Good;SCP;UVP;Voltage Mode Control	VQFN-3x3-16;VQFN-4x4-24
RT8805C	10.8	13.2	0.8	5	2	1	Yes	300	Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;OCP;Power Good;SCP;UVP;Voltage Mode Control	VQFN-3x3-16;VQFN-4x4-24
RT8805E	10.8	13.2	0.8	5	2	1	Yes	300	Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;OCP;Power Good;SCP;UVP;Voltage Mode Control	WQFN-4x4-24
RT8807/RT8807A	10.8	13.2	0.45	2.5	2	1.5	Yes	500	Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;DCR Current Sense;Drop Control;Fast Transient Response;OCP;OVP;Power Good;SCP;UVP;Voltage Mode Control	VQFN-4x4-24;WQFN-4x4-24
RT8807B	10.8	13.2	0.45	2.5	2	1.5	Yes	500	Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;DCR Current Sense;Drop Control;OCP;OVP;Power Good;SCP;UVP;Voltage Mode Control	WQFN-4x4-24
RT8810	4.5	13.2	0.4	2.5	2	1.67	Yes	200	Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;DCR Current Sense;Fast Transient Response;OCP;SCP;Voltage Mode Control	WQFN-3x3-16;WQFN-4x4-24
RT8882A/RT8882B	5	25	0.5	3.04	2	0.5	Yes	300	OCP;OVP;Power Good;UVP	WQFN-4x4-32
RT8884B	10.8	13.2	0.5	3.04	4	0.5	Yes	300	OCP;OVP;Power Good;UVP	WQFN-4x4-32
RT8888B	5	25	0.5	3.04	3	0.5	Yes	300	OCP;OVP;Power Good;UVP	WQFN-5x5-40
RT9256	2.5	12	0.8	3.3	2	1	Yes	300	Adjustable Frequency;Adjustable Soft-Start;DCR Current Sense;Enable Input;Fast Transient Response;OCP;OVP;Power Good;SCP;UVP;Voltage Mode Control	VQFN-5x5-32
RT9258	10.8	13.2	0.45	2.5	2	1.5	Yes	500	Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;DCR Current Sense;Drop Control;Enable Input;Fast Transient Response;OCP;OVP;Power Good;SCP;UVP;Voltage Mode Control	WQFN-4x4-24

Vcore Controller

Part Number	VID Table Support	Number of Phases	Vcc (typ) (V)	Vin (min) (V)	Vin (max) (V)	Accuracy (Vout>=1V) (+/- %)	Freq (typ) (kHz)	Built-in DAC Generator	Number of MOSFET Drivers	Features	Package Type
RT2776	VR12	3	5	10.8	13.2	0.5	300	Yes	3	OCP;OVP;UVP	WQFN-6x6-52
RT3606BC	IMVP8	2;3	5	10.8	13.2	0.5	400	Yes	1;2	Adjustable Frequency;G-NAVP Control;OCP;OVP;Power Good	WQFN-7x7-60
RT3607CE	IMVP8	3;4	5	10.8	13.2	0.5	400	Yes	0	Diode Emulation Mode;Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good	WQFN-56L 6x6
RT3662AC	SVI2		5	4.5	26				3	Diode Emulation Mode;Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;UVP	WQFN-5x5-40
RT8113	VR11.1	1	12	10.8	13.2	0.5	200	Yes	1	Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;DCR Current Sense;Droop Control;OCP;OVP;Power Good;SCP;Voltage Mode Control	WQFN-4x4-24
RT8152A/RT8152B	IMVP6.5	1	5	5	25	0.8	300	Yes	1	Adjustable Current Limit;Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;Current Mode Control;Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;Fast Transient Response;G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-5x5-32
RT8152C/RT8152D	IMVP6.5	1	5	5	25	0.8	300	Yes	1	Adjustable Current Limit;Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;Current Mode Control;Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;Fast Transient Response;G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-5x5-32
RT8152E/RT8152F	IMVP6.5	1	5	5	25	0.8	300	Yes	1	Adjustable Current Limit;Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;Current Mode Control;Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;Fast Transient Response;G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-5x5-32
RT8153C/RT8153D	IMVP6.5	1	5	5	25	0.8	300	Yes	1	Adjustable Current Limit;Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;Current Mode Control;Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;Fast Transient Response;G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-4x4-32;WQFN-5x5-32
RT8162A	IMVP7;VR12	1;1	5	5	25	0.5	300	Yes	1;1	G-NAVP Control;OCP;OVP;Power Good;UVP	WQFN-5x5-40
RT8165A	IMVP7;VR12	1;1	5	5	25	0.5	300	Yes	1;1	Adjustable Current Limit;Adjustable Frequency;Built-in Bootstrap Switch;Current Mode Control;Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-6x6-48
RT8165B	IMVP7;VR12	1;1	5	5	25	0.5	300	Yes	1;1	Adjustable Current Limit;Adjustable Frequency;Built-in Bootstrap Switch;Current Mode Control;Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-5x5-40
RT8166B	IMVP7;VR12	1;1	5	5	25	0.5	300	Yes	1;1	Adjustable Current Limit;Adjustable Frequency;Built-in Bootstrap Switch;Current Mode Control;Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-5x5-40
RT8167A	IMVP7;VR12	1;1	5	5	25	0.5	300	Yes	1;1	Adjustable Current Limit;Adjustable Frequency;Built-in Bootstrap Switch;Current Mode Control;Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-6x6-48
RT8167B	IMVP7;VR12	1;1	5	5	25	0.5	300	Yes	1;1	Adjustable Current Limit;Adjustable Frequency;Built-in Bootstrap Switch;Current Mode Control;Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-5x5-40
RT8168B	IMVP7;VR12	1;1	5	5	25	0.5	300	Yes	1;1	Adjustable Current Limit;Adjustable Frequency;Built-in Bootstrap Switch;Current Mode Control;Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-5x5-40
RT8170A	VR12.5	1	5	5	25	0.5	600	Yes	1	Adjustable Frequency;Built-in Bootstrap Switch;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;Stable with Ceramic Capacitor;UVP	WQFN-4x4-32
RT8171B	VR12.1	1	5	5	25	0.5	600	Yes	1	Enable Input;G-NAVP Control;OCP;OVP;Power Good;UVP	WQFN-4x4-32
RT8171C	VR12.1	1	5	5	25	0.5	600	Yes	1	G-NAVP Control;OCP;OVP;Power Good;UVP	WQFN-4x4-32
RT8172A	IMVP7;VR12	1;1	5	5	25	0.5	300	Yes	1;1	G-NAVP Control;OCP;OVP;Power Good;UVP	WQFN-5x5-40
RT8175A	VR12.1	1	5	5	25	0.5	600	Yes	1	Enable Input;OCP;OVP;Power Good;UVP	WQFN-4x4-32
RT8179A	SVI2	1;1	5	4.5	26	0.5	300	Yes	1;1	Adjustable Frequency;Built-in Bootstrap Switch;Current Mode Control;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;SCP;UVP	WQFN-5x5-40
RT8179B	SVI2	1;1		4.5	26	0.5		Yes	1;1	Adjustable Frequency;Current Mode Control;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;SCP;UVP	WQFN-5x5-40
RT8179C	SVI2	1;1	5	4.5	26	0.5	300	Yes	1;1	Adjustable Frequency;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;SCP;UVP	WQFN-5x5-40
RT8199B	VR12.1	1	5	5	25	0.5	600	Yes	1	Enable Input;G-NAVP Control;OCP;OVP;Power Good;UVP	WQFN-4x4-32
RT8800/RT8800B	K8;VR10	2;3	5	10.8	13.2	1.25	300	Yes	0	Adjustable Frequency;DCR Current Sense;Droop Control;OCP;OVP;Power Good;SCP;Voltage Mode Control	SOP-16;VQFN-3x3-16
RT8800A	K8;VR10	3	5	10.8	13.2	1.25	300	Yes	0	Adjustable Frequency;DCR Current Sense;Droop Control;OCP;OVP;Power Good;SCP;Voltage Mode Control	VQFN-3x3-16
RT8802A	K8;K8_M2;VR10.x;VR11.0	5	5	10.8	13.2	0.5	300	Yes	0	Adjustable Frequency;Adjustable Soft-Start;DCR Current Sense;Droop Control;Enable Input;OCP;OVP;Power Good;SCP;Voltage Mode Control	VQFN-6x6-40

Vcore Controller

Part Number	VID Table Support	Number of Phases	Vcc (typ) (V)	Vin (min) (V)	Vin (max) (V)	Accuracy (Vout>=1V) (+/- %)	Freq (typ) (kHz)	Built-in DAC Generator	Number of MOSFET Drivers	Features	Package Type
RT8803A	K8;K8_M2;VR10.x; VR11.0	3	5	10.8	13.2	0.5	300	Yes	0	Adjustable Frequency;Adjustable Soft-Start;DCR Current Sense;Droop Control;Enable Input; OCP;OVP;Power Good;SCP;Voltage Mode Control	WQFN-5x5-32
RT8841	K8;K8_M2;VR10.x; VR11.0	4	12	10.8	13.2	0.5	300	Yes	2	Adjustable Frequency;Adjustable Soft-Start;DCR Current Sense;Droop Control;Enable Input; OCP;OVP;Power Good;SCP;Voltage Mode Control	WQFN-6x6-40
RT8855	AM2;AM2+	1;4	12	10.8	13.2	0.5	300	Yes	1;2	Adjustable Frequency;Adjustable Soft-Start;DCR Current Sense;Droop Control;Enable Input; OCP;OVP;Power Good;SCP;Voltage Mode Control	WQFN-7x7-48
RT8856	IMVP6.5	2	5	7	24	0.8	300	Yes	2	Adjustable Frequency;Adjustable Soft-Start;DCR Current Sense;Droop Control;Enable Input; OCP;OVP;Power Good;SCP;Voltage Mode Control	WQFN-6x6-40
RT8857/RT8857A	K8;K8_M2;VR10.x; VR11.1	4	12	10.8	13.2	0.5	300	Yes	2	Adjustable Current Limit;Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch; Current Mode Control;Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;Fast Transient Response;OVP;Power Good;SCP;UVP	WQFN-7x7-48
RT8859M	VR12	1;4	5	10.8	13.2	0.5	300	Yes	0	Adjustable Current Limit;Adjustable Frequency;Current Mode Control;Cycle-by-Cycle Current Limit; DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input;Fast Transient Response; G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-7x7-56
RT8862	K8;K8_M2;VR10.x; VR11.1	4	12	10.8	13.2	0.5	300	Yes	2	Adjustable Frequency;DCR Current Sense;Droop Control;Enable Input;OCP; OVP;Power Good;SCP;Voltage Mode Control	WQFN-7x7-48
RT8867A	VR11.0;VR11.1	4	12	10.8	13.2	0.5	300	Yes	3	Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;DCR Current Sense;Droop Control; Enable Input;OCP;OVP;Power Good;SCP;UVP;Voltage Mode Control	WQFN-6x6-48
RT8868A	AM2;AM2+	1;4	12	10.8	13.2	0.5	300	Yes	1;2	Adjustable Frequency;DCR Current Sense;Enable Input;OCP;OVP;Power Good;SCP;Voltage Mode Control	WQFN-7x7-48
RT8869A	VR11.0;VR11.1	2	12	10.8	13.2	0.5	300	Yes	2	Adjustable Frequency;Adjustable Soft-Start;Built-in Bootstrap Switch;DCR Current Sense; Droop Control;Enable Input;OCP;OVP;Power Good;SCP;UVP;Voltage Mode Control	WQFN-5x5-40
RT8876A	VR12	1;3	5	4.5	13.2	0.5	300	Yes	0;3	Adjustable Frequency;DCR Current Sense;Droop Control;Enable Input;OCP; OVP;Power Good;SCP;Voltage Mode Control	WQFN-7x7-56
RT8876B	VR12	3	5	10.8	13.2	0.5	300	Yes	3	OCP;OVP;Power Good;UVP	WQFN-7x7-56
RT8877C	SVI2	2;4	5	10.8	13.2	0.5	300	Yes	0	Adjustable Current Limit;Adjustable Frequency;Built-in Bootstrap Switch;Current Mode Control; Cycle-by-Cycle Current Limit;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input; Fast Transient Response;G-NAVP Control;OVP;Power Good;SCP;UVP	WQFN-6x6-52
RT8877D	SVI2	2;4	5	4.5	5.5	0.5	300	Yes	0	Adjustable Frequency;Diode Emulation Mode;Droop Control;Enable Input;Fast Transient Response; G-NAVP Control;OCP;OVP;Power Good;SCP;UVP	WQFN-6x6-52
RT8878A	SVI2	2;4	5	4.5	13.2	0.5	300	Yes	0;2	Adjustable Frequency;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input; Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;SCP;UVP	WQFN-6x6-52
RT8878B	SVI2	2;4	5	4.5	13.2	0.5	300	Yes	0;2	Adjustable Frequency;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input; Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;SCP;UVP	WQFN-6x6-52
RT8880A	SVI2	2;3	5	4.5	26	0.5	300	Yes	1;2	Adjustable Frequency;Built-in Bootstrap Switch;Current Mode Control;DCR Current Sense;Diode Emulation Mode; Droop Control;Enable Input;Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;SCP;UVP	WQFN-6x6-52
RT8880B	SVI2	2;3		4.5	26	0.5		Yes	1;2	Adjustable Frequency;Current Mode Control;DCR Current Sense;Diode Emulation Mode;Droop Control; Enable Input;Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;SCP;UVP	WQFN-6x6-52
RT8880C	SVI2	2;3	5	4.5	26	0.5	300	Yes	1;2	Adjustable Frequency;DCR Current Sense;Diode Emulation Mode;Droop Control;Enable Input; Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;SCP;UVP	WQFN-6x6-52
RT8881A	SVI2	2;4	5	4.5	13.2	0.5	300	Yes	2	Adjustable Frequency;Diode Emulation Mode;Droop Control;Enable Input; Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;SCP;UVP	WQFN-6x6-52
RT8884C	VR12.5	4	5	13.2	10.8	0.5	300	Yes	0	OCP;OVP;Power Good;UVP	WQFN-4x4-32
RT8886A	VR12.5	2	5	5	25	0.5	600	Yes	2	Adjustable Frequency;Built-in Bootstrap Switch;DCR Current Sense;Diode Emulation Mode;Droop Control; Enable Input;Fast Transient Response;G-NAVP Control;OCP;OVP;Power Good;Stable with Ceramic Capacitor;UVP	WQFN-4x4-32
RT8888D	VR12.5	3	5	5	25	0.5	300	Yes	3	OCP;OVP;Power Good;UVP	WQFN-5x5-40
RT8889C	VR12.5	3	5	10.8	13.2	0.5	300	Yes	3	OCP;OVP;Power Good;UVP	WQFN-5x5-40
RT8889D	VR12.5	3	5	10.8	13.2	0.5	300	Yes	0	OCP;OVP;Power Good;UVP	WQFN-5x5-40

Reference Voltage Generator

Part Number	Input Type	Input Bits	Vs (typ) (V)	Iq (typ) (mA)	DAC Resolution (mV)	Number of outputs (V)	Vout (min) (V)	Vout (max) (V)	Features	Package Type
RT9401A/RT9401B	VID	5	5	2	25	1	0.8	1.6		SOT-23-8
RT9401C	VID	6	5	2	12.5	1	0.8375	1.6		PSOP-8
RT9401D	VID	5	5	2	25	1	0.75	1.5		SOT-23-8
RT9403	I2C	7	5	0.65	25	3	0.6	3.375		SOT-23-8
RT9403A/RT9403B/RT9403C	I2C	7	5	0.65	25	3	0.6	3.375		SOT-23-8
RT9403D/RT9403E/RT9403F/RT9403G	I2C	7	5	0.65	25	3	0.6	3.375		SOT-23-8
RT9406	I2C	8	5	1.4		2	0.1	3.04	I2C Interface Compatible	SOT-23-8

DC/DC Lighting LED Driver

Part Number	Vin (min) (V)	Vin (max) (V)	Vout (max) (V)	LED Channels	Topology	SW Freq (typ) (kHz)	Vcs (typ) (mV)	Dimming Control	Features	Package Type
RT4501/RT4501A	2.5	5.5	23			1100		PWM;Pulse		WL-CSP-10B 0.87x2.07 (BSC)
RT4503/RT4503A	2.5	5.5	34	1	Boost	550		PWM;Pulse		WDFN-2x2-6
RT4528	4.5	50	50		Buck	500	100	PWM;Vdc	Current Mode Control;OCP;UVP	PSOP-8
RT4532	2.5	5.5		4	Boost;CS	1100		Digital;PWM	Enable Input;OCP;OVP	WL-CSP-10B 0.87x2.07 (BSC)
RT6032	5	24		4	Linear		600	PWM	Enable Input	SOP-16
RT6032A	5	24		4	Linear		600	PWM	Enable Input	SOP-16
RT6033	5	24		4	Linear		600	PWM	Enable Input	SOP-16
RT6033A	5	24		4	Linear		600	PWM	Enable Input	SOP-16
RT8300	5	24	60	4	CS			PWM		DIP-16 (BW);SOP-16
RT8301	5	24		8	Linear		600	PWM	Enable Input	SOP-24
RT8301A	5	24		8	Linear		600	PWM	Enable Input	SOP-24
RT8450/RT8450B	4.5	40	50	1	Boost;Buck;Buck-Boost	500;800	190	PWM;Vdc	Adjustable Soft-Start;Enable Input;OCP;OVP	PTSSOP-16;WDFN-3x3-12
RT8452	4.5	36	48	1	Boost;Buck;Buck-Boost	350	190	PWM;Vdc	Adjustable Soft-Start;Enable Input;OCP;OVP	SOP-16;WQFN-3x3-16
RT8453B	4.5	40	40	1	Buck	500	190	PWM;Vdc	Adjustable Soft-Start;Enable Input;OCP	PSOP-8
RT8462	4.5	36	60	1	Boost;Buck;Buck-Boost	370	190	Digital;PWM	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP	SOP-14;WQFN-3x3-16
RT8463	4.5	50	50	1	Boost;Buck;Buck-Boost	470	100	PWM;Vdc	Adjustable Soft-Start;Current Mode Control;Enable Input;OCP;OVP	PTSSOP-14;WDFN-3x3-12
RT8464	10	32		6	Flyback		215	PWM;Vdc	Adjustable Soft-Start;OVP	SOP-28
RT8470	7	30	26	1	Buck	500	100	PWM;Vdc	OCP	PSOP-8;TSOT-23-5
RT8472	5	30	28	1	Buck	500	100	PWM;Vdc	OCP	TSOT-23-5
RT8473	7	30	28	1	Buck	500	100	PWM;Vdc	OCP	TSOT-23-5
RT8474	4.5	50	50		Boost;Buck;Buck-Boost	500	100	PWM;Vdc	OCP;UVP	PSOP-8
RT8474A	4.5	50	50		Boost;Buck;Buck-Boost	500	100	PWM;Vdc	Current Mode Control;OCP;OVP	PSOP-8
RT8475	4.5	36	90	1	Boost;Buck;Buck-Boost	350	190	PWM;Vdc	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP	SOP-14;WQFN-3x3-16
RT8476A	4.5	40	40	1	Buck-Boost	300	240	Vdc	Adjustable Current Limit;Internal Compensation;OVP	PSOP-8
RT8477	4.5	50	50		Boost;Buck	380	100	Vdc	Current Mode Control;Internal Compensation;OCP;UVP	SOP-8
RT8477A	4.5	50	50		Boost;Buck;Buck-Boost	380	100	Vdc	Current Mode Control;Internal Compensation;OCP;UVP	PSOP-8
RT8479B	4.5	36	36	1	Buck-Boost	600	130	Vdc	OCP;OVP	PSOP-8
RT8480	4.5	36		1	Boost;Sepic	380	190	PWM;Vdc	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP	SOP-16
RT8482	4.5	36	48	1	Boost;Buck;Buck-Boost	350	190	PWM;Vdc	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP	SOP-16;WQFN-3x3-16
RT8485	4.5	36	150	1	Boost;Buck;Buck-Boost	360	315	PWM;Vdc	Adjustable Frequency;Adjustable Soft-Start;Current Mode Control;External Synchronization;OVP;UVP	SOP-14
RT8488	7	28		6	Boost	280	225	PWM;Vdc	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP	WQFN-5x5-32
RT8489	7	28		4	Boost	280	225	PWM;Vdc	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP	SOP-24
RT8491	9	32		6	Boost	280	440	PWM;Vdc	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP	WQFN-5x5-32
RT8492	9	32		4	Boost	280	440	PWM;Vdc	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP	TSSOP-28
RT8494	4.5	36	90	1	Boost;Buck;Buck-Boost	370	190	Digital;PWM	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP	SOP-14
RT8496	4.5	36	150	1	Boost;Buck;Buck-Boost		315	PWM;Vdc	Adjustable Frequency;Adjustable Soft-Start;Current Mode Control;OVP;UVP	SOP-14
RT8511A	2.7	24	43	1	Boost	1000	200	PWM	Enable Input;OCP;OVP	WDFN-2x2-8;WDFN-3x3-8
RT8532	2.5	24	43	6	Boost	500	1000	PWM	Adjustable Frequency;Enable Input;OCP;OVP	WQFN-3x3-20
RT8561D	4.5	24	40	8	Boost	1000		PWM	Adjustable Soft-Start;Current Mode Control;Enable Input;OCP;UVP	WQFN-4x4-24
RT8566	9	28	45	8	Boost	1000	500	PWM	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP;UVP	PTSSOP-28
RT8567	2.7	24	43	6	Boost	1000	1000	PWM	Adjustable Frequency;Enable Input;OCP;OVP	WQFN-3x3-20
RT8572	9	28	45	8	Boost	1000	500	PWM	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP;UVP	SOP-24
RT8576	9	28	45	8	Boost	1000	500	PWM	Adjustable Frequency;Adjustable Soft-Start;Enable Input;OCP;OVP;UVP	PTSSOP-24;SOP-24

Linear Lighting LED Driver

Part Number	Vin (min) (V)	Vin (max) (V)	LED Allocation	PFC	Features	Package Type
RT7320	127	375				PSOP-8
RT7321	250	375				PSOP-8;WQFN-5x5-20
RT7322	127	180	2P2S	Y	Thermal Protection	PSOP-8;WQFN-5x5-20

AC/DC Lighting LED Driver

Part Number	Supply Voltage (min) (V)	Supply Voltage (max) (V)	Vin (min) (V)	Vin (max) (V)	Topology	Output	MOSFET In Side	PFC	Current Sense Threshold (mV)	Dimming Control	Features	Package Type
RT7300A			12	25	Boost	C.V.	N	Y			LED Open Protection;OCP;OVP	SOP-8
RT7300B			12	25	Flyback	C.V.	N	Y			LED Open Protection;OCP;OVP	SOP-8
RT7302			12	25	Buck-Boost;Flyback	C.C.	N	Y		PWM	OCP;OVP	SOP-8
RT7304			12	25	Buck-Boost;Flyback	C.C.	N	Y			OCP;OVP	SOT-23-6
RT7305			12	25	Buck-Boost;Flyback	C.C.	Y	Y			LED Open Protection;LED Short Protection;OCP;OVP;Thermal Protection	SOP-7
RT7306			11	34	Buck-Boost;Flyback	C.C.	N	Y		Vdc	Cycle-by-Cycle Current Limit;LED Open Protection;LED Short Protection;OVP;Thermal Protection	SOP-8
RT7307			11	34	Buck-Boost;Flyback	C.C.	N	Y		Vdc	Cycle-by-Cycle Current Limit;LED Open Protection;LED Short Protection;OVP;SCP;Thermal Protection;UVP	SOP-8;SOT-23-6
RT7310			12	25	Buck-Boost;Flyback	C.C.	N	Y			OCP;OVP	SOT-23-6
RT8456			4.75	48	Flyback				59		OVP	SOT-23-6
RT8458			17	32	Buck				178	Vdc	OCP;OVP	TSOT-23-6
RT8458A			17	31	Buck				220	Vdc	OCP;OVP	TSOT-23-6
RT8458D			10	31	Buck				220	Vdc	OCP;OVP	TSOT-23-6
RT8458E			17	31	Buck				250	Vdc	OCP;OVP	TSOT-23-6
RT8461			16	33	Buck				-100		OCP;OVP	SOP-8
RT8468			16	31	Buck				220	Vdc	Current Mode Control;OVP	SOP-7
RT8468A			16	31	Buck				220	Vdc	OCP;OVP;UVP	SOP-7
RT8486			4.75	48	Flyback				141		OVP	SOT-23-6
RT8487	10	30	18	264	Buck;Buck-Boost	C.C.	N	Y	250		OCP;OVP;UVP	TSOT-23-6
RT8497	10	30			Buck	C.C.	Y	Y	250		LED Open Protection;LED Short Protection;OCP;OVP;Thermal Protection	SOP-8

MR16 Lighting LED Driver

Part Number	Vin (min) (V)	Vin (max) (V)	Topology	Dimming Control	Features	Package Type
RT8465	8	32	Single Stage Boost	Vdc	OCP;OVP	SOP-8
RT8471	7	36	Buck	PWM;Vdc	OCP	PMSOP-8;PSOP-8;TSOT-23-5
RT8476	4.5	40	Two Stage Boost/Buck	Vdc	Adjustable Current Limit;OVP	PSOP-8;SOP-8
RT8479	4.5	36	Two Stage Boost/Buck	Vdc	Adjustable Frequency;OCP;OVP;UVP	PSOP-8
RT8479C	4.5	36	Two Stage Boost/Buck	Vdc	OCP;OVP	PSOP-8

White LED Driver

Part Number	Vin (min) (V)	Vin (max) (V)	SW Freq (typ) (kHz)	Number of LEDs (max) (pcs)	Iout (max)/channel (mA)	Iq (typ) (mA)	Dimming Control	Topology	Features	Package Type
RT4530A	2.5	24	600	60	50	4	PWM	Boost+CS	Enable Input;OCP;OVP	UQFN-20L 3x3
RT4531	2.5	5.5	1000	10	20	1.2	PWM;Pulse	Boost+CS	OCP;OVP	WL-CSP-9B 1.35x1.35 (BSC)
RT4533/RT4533A	2.5	5.5	1100	10	30	0.35	PWM	Boost	100% Duty Cycle;OCP;OVP	TSOT-23-6
RT5924A	4.5	5.5	30000	16	45	2	PWM	CS		SOP-24 (236mil);SSOP-24;WQFN-4x4-24
RT6010	8	450	100	120	200	4	PWM	Buck	Enable Input;OVP;UVP	SOP-16
RT6030	3.8	13.5				0.6	PWM	CS	Enable Input	SOP-16
RT8302	5	26		60	360	2	Digital	CS	Enable Input	DIP-18;WDFN-5x5-16
RT8302A	5	24		60	360	2	Digital	CS	Enable Input	DIP-18;WDFN-5x5-16
RT8304	5	24			360	2	Digital	CS		WDFN-5x5-16
RT8510	4.2	24	1000	48	40	2	PWM	Boost+CS	Adjustable Frequency;Enable Input;OCP;OVP	WQFN-3x3-16
RT8510A	4.2	24	1000	48	80	2	PWM	Boost+CS	Adjustable Frequency;Current Mode Control;Cycle-by-Cycle Current Limit;Enable Input;OCP;OVP;Stable with Ceramic Capacitor;UVP	WQFN-4x5-28
RT8511B	2.7	24	500	10		2	PWM	Boost	Enable Input;OCP;OVP	WDFN-2x2-8
RT8540	2.5	5.5	2000	3	800	0.59	Digital	Boost	OCP;OVP;UVP	WL-CSP-1.82x2.22-20B
RT8543A	2.5	24	1000	10	50	4	PWM	Boost+CS	Enable Input;OCP;OVP;UVP	WQFN-4x4-20

White LED Driver

Part Number	Vin (min) (V)	Vin (max) (V)	SW Freq (typ) (kHz)	Number of LEDs (max) (pcs)	Iout (max)/channel (mA)	Iq (typ) (mA)	Dimming Control	Topology	Features	Package Type
RT8547	2.8	5.5	2000	1	1600	0.3	Digital	Boost+CS	OCP;OVP	WDFN-3x2-14
RT8555	2.7	24	600	60	35	2.7	Digital;PWM	Boost	Adjustable Frequency;Current Mode Control;Enable Input;OCP;OVP	WL-CSP-20B 1.65x2.05 (BSC)
RT8567A	2.7	24	1000	72	40	3	PWM	Boost+CS	Enable Input;OVP	WQFN-3x3-20
RT8575	4.2	24	280	18	600		PWM	Boost+CS	Current Mode Control;Enable Input;OVP;UVP	DIP-16 (BW);WDFN-5x5-16
RT8576A	9	28	200	64	180	2	PWM	Boost+CS	Enable Input;OCP;OVP	DIP-16;PSOP-16;PTSSOP-16;SOP-16
RT8577	9	28	1000	52	200	5	PWM	Boost+CS	Adjustable Frequency;Enable Input;OVP;SCP;UVP	WQNF-5x5-20
RT9052	3.8	13.5				0.3	PWM	CS	Enable Input	SOT-23-6
RT9300A/RT9300B	2.5	5.5		4			PWM	CS	Enable Input	SOT-23-6
RT9301	2.8	5.5		3	20	0.5	PWM	CS	Enable Input	TSOT-23-8;WDFN-3x3-8
RT9302	2.8	5.5		3	20	0.4	Pulse	CS	Enable Input	TSOT-23-8
RT9361A/RT9361B	2.8	5	1000			2	PWM	CP	Enable Input;OVP	SOT-23-6;TSOT-23-6;WDFN-2x2-6
RT9363	2.8	5	250	3	20	1	Pulse	CP+CS	Enable Input;OVP	TSOT-23-8
RT9363A	2.8	5.5	1000	3	20	1;3	Digital	CP+CS	Enable Input;OVP	WDFN-3x3-10
RT9367C	2.8	5.5	1000	4	25	1;3.5	Digital	CP+CS	Enable Input;OCP;OVP	WQFN-3x3-20
RT9368	2.8	5	250	4	20	1;2.5	PWM	CP+CS	Enable Input;OVP	WQFN-3x3-16
RT9368A	2.8	5	250	4	20	1;2.5	Pulse	CP+CS	Enable Input;OVP	WQFN-3x3-16
RT9373A	2.8	5	250	3	20	1;2.5	Pulse	CP+CS	Enable Input;OVP	WQFN-3x3-16
RT9378	2.8	4.5	1000	4	25	1	PWM	CP+CS	Enable Input;OVP	WQFN-2x2-12
RT9379	2.8	4.5	1000	6	25	1	PWM	CP+CS	Enable Input;OVP	WQFN-2x3-16
RT9385	2.8	4.5	1000	5	25	1	PWM	CP+CS	Enable Input;OVP	WQFN-2x3-16
RT9385B	2.8	4.5	1000	5	25	1	Pulse	CP+CS	Enable Input;OVP	WQFN-2x3-16
RT9387A	2.8	5	1000	1	700	1;1.5;2	Pulse	CP	OCP;OVP;UVP	WQFN-2x3-16
RT9396	2.8	5	1000	6	25	1;3.5	Digital;PWM	CP	Enable Input;OVP	WQFN-3x3-24 (COL)

Multi Cell Switching Charger

Part Number	Vin (min) (V)	Vin (max) (V)	Battery Charge Voltage (max) (V)	Battery Charge Current (max) (A)	Input Support	Features	Package Type
RT9531	4.5	28	12.6;16.8;4.2;8.4	4	AC Adapter;USB	Current Mode Control;Enable Input;OCP;OVP;SCP;UVP	WQFN-4x4-16
RT9535	4.5	28	22	2	AC Adapter;USB	Adjustable Current Limit;Adjustable Soft-Start;Enable Input;OCP;UVP	WQFN-4x4-24
RT9535A	4.5	28	22	2	AC Adapter;USB	Adjustable Current Limit;Adjustable Soft-Start;Enable Input;OCP;UVP	WQFN-4x4-16
RT9535B	4.5	28	22	2	AC Adapter;USB	Adjustable Current Limit;Adjustable Soft-Start;Enable Input;OCP;UVP	WQFN-4x4-24
RT9538	4.5	28	25	4	AC Adapter;USB	Current Mode Control;Enable Input;OCP;OVP;SCP;UVP	WQFN-4x4-16

Battery Protector

Part Number	Vin (min) (V)	Vin (max) (V)	Vin_ovp (typ) (V)	Delay Time (max) (us)	ISD (typ) (uA)	Ron (typ) (mOhm)	Features	Package Type
RT9709	4.3	6.5	5.85, 6.25, 6.8	1	60	200	OCP, OVP	WDFN-3x3-10, WDFN-4x3-12

Photo-Flash Capacitor Charger

Part Number	Vs (min) (V)	Vs (max) (V)	Iq (typ) (uA)	Isd (typ) (uA)	Built-in Power MOSFETs	Vds (max) (V)	Ron (typ) (mOhm)	Features	Package Type
RT9594A/RT9594B	1.6	9	1	0.01	Yes	50	300	Enable Input	WQFN-3x3-16
RT9595	2.9	5.5	1	0.01	Yes	45	300	Enable Input	WDFN-3x3-10
RT9598	2.9	5.5	0.1	1	Yes	55	0.3	OVP	WDFN-2x2-8

Single Cell Li-Ion Battery Charger

Part Number	Vin (min) (V)	Vin (max) (V)	Battery Charge Voltage (max) (V)	Battery Charge Current (max) (A)	Input Support	Features	Package Type
RT9450A	4	6	4.45	1.5	AC Adapter;USB	Current Mode Control;Cycle-by-Cycle Current Limit;OCP;OVP;UVP	WL-CSP-2x2-20B
RT9451	4.3	12	4.44	4	AC Adapter;USB	Built-in Bootstrap Switch;Current Mode Control;Cycle-by-Cycle Current Limit;Internal Compensation;OCP;OVP	WQFN-4x4-32
RT9455	4.3	6	4.45	1.55	AC Adapter;USB	Current Mode Control;Cycle-by-Cycle Current Limit;Internal Compensation;OCP;OVP	WL-CSP-16B 1.7x1.77
RT9480	2.8	5.5	4.2	1.2	USB	OCP;OVP;UVP	WQFN-4x4-24
RT9481	4.3	5.65	4.6	2.7	AC Adapter;USB	Cycle-by-Cycle Current Limit;OCP;OVP;SCP;UVP	WQFN-4x4-24
RT9483	2.8	5.5	4.2	1.2	USB	OCP;OVP;UVP	WQFN-4x4-24
RT9501A/RT9501B	4.5	7	4.1;4.2		AC Adapter		MSOP-8
RT9502	4.5	6	4.2	1.2	AC Adapter;USB	Enable Input;OVP;Power Good	WDFN-3x3-10
RT9503	4.5	12	4.2	1	AC Adapter;USB	Enable Input;OVP;Power Good	WQFN-3x3-16
RT9503A	4.5	12	4.2	1	AC Adapter;USB	Enable Input;OVP;Power Good	WQFN-3x3-16
RT9505	4.5	6	4.2	1.2	AC Adapter	Enable Input;OVP;Power Good	WDFN-3x3-10
RT9511	4.5	12	4.2	1	AC Adapter;USB	Enable Input;OVP	WQFN-4x4-24
RT9513	4.5	6	4.2	1.2	AC Adapter	Enable Input;OVP;Power Good	WDFN-3x3-10
RT9514	4.5	6	4.21	1.2	AC Adapter	Enable Input;OVP;Power Good	WDFN-3x3-10
RT9515	4.5	6	4.21	1.2	AC Adapter	Enable Input;OVP;Power Good	WDFN-3x3-10
RT9516	4.5	6	4.2	1	AC Adapter;USB	Enable Input;OVP;Power Good;UVP	WDFN-2x2-8
RT9519A	4.4	6	4.05;4.2	1.2	AC Adapter	Enable Input;OVP;Power Good	WQFN-3x3-20
RT9519B	4.4	6	4.05;4.2	1.2	AC Adapter	Enable Input;OVP;Power Good	WQFN-3x3-20
RT9524	4.3	5.5	4.2	1	AC Adapter	Enable Input;OVP;Power Good;UVP	WDFN-3x2-10
RT9524L	4.3	5.5	4.16	1	AC Adapter;USB	OVP;Power Good;UVP	WDFN-3x2-10
RT9525	4.2	6	4.2	1.2	AC Adapter;USB	Enable Input;OVP;Power Good;UVP	WQFN-3x3-16
RT9526	4.5	6	4.2	1	AC Adapter;USB	Enable Input;OVP;Power Good;UVP	SOT-23-6;WDFN-2x2-8;WDFN-2x3-8
RT9526A	4.5	6	4.2	1	AC Adapter;USB	Enable Input;OVP;Power Good;UVP	SOT-23-6;WDFN-2x3-8
RT9527	4.4	6	4.2	0.6	AC Adapter;USB	OVP;Power Good;UVP	WDFN-2x2-8
RT9527H	4.4	6	4.35	0.6	AC Adapter;USB	OVP;Power Good;UVP	WDFN-2x2-8
RT9527L	4.4	6	4.16	0.6	AC Adapter;USB	OVP;Power Good;UVP	WDFN-2x2-8
RT9528	4.35	6	4.2	1.2	AC Adapter	Enable Input;OVP;Power Good;UVP	WQFN-4x4-28
RT9532	4.3	6.2	4.2	1	AC Adapter;USB	OVP;UVP;Voltage Mode Control	WDFN-3x2-10
RT9534	4.5	28	22	10	AC Adapter	Adjustable Current Limit;Adjustable Soft-Start;Enable Input;OCP;OVP;UVP	WQFN-4x4-24
RT9536	4.3	5.5	4.35	1	AC Adapter;USB	OVP;UVP;Voltage Mode Control	WDFN-3x2-10
RT9536H	4.3	5.5	4.4	1	USB	OVP;UVP	WDFN-3x2-10
RT9730	4.3	6.5		1	AC Adapter	UVP	WDFN-2x2-8

Wireless Power Solutions

Part Number	Vrect (min) (V)	Vrect (max) (V)	Vout (min) (V)	Vout (max) (V)	Iout Max (A)	Power Rating (W)	Battery Charging Function	Compliance	ComplianceVer	Features	Package Type
RT1650	5	10	5	5	1.5	7.5	No	WPC	1.1	Adjustable Current Limit;Low Dropout;OCP;OVP	WL-CSP-48B 3x3.4 (BSC)
RT1650B	5.3	10	5	5	1	5	No	WPC	1.2		WL-CSP-48B 3x3.4 (BSC)

Battery Gauge

Part Number	Number of Series Cells	Supply Voltage (min) (V)	Supply Voltage (max) (V)	Communication Interface	Package Type
RT9420	1	2.5	4.5	I2C	WDFN-2x3-8
RT9428	1	2.5	4.5	I2C	WL-CSP-8B 1.6x1.52 (BSC)

Flyback Controller

Part Number	Supply Voltage (min) (V)	Supply Voltage (max) (V)	Switching Frequency (typ) (kHz)	Frequency Adjustable	Driver Souce Current (typ) (mA)	Driver Sink Current (typ) (mA)	Features	Package Type
R7711A	11	24	65	No			Current Mode Control;Cycle-by-Cycle Current Limit;OCP;OVP;SCP;UVP	SOT-23-6
R7731	12	25	65	Yes			Adjustable Frequency;Current Mode Control;Cycle-by-Cycle Current Limit;OCP;OVP;SCP;UVP	DIP-8;SOT-23-6
R7731A	12	25	65	Yes			Adjustable Frequency;Current Mode Control;Cycle-by-Cycle Current Limit;OCP;OVP;SCP;UVP	DIP-8;SOT-23-6
R7732	12	25	100;65	No			Current Mode Control;Cycle-by-Cycle Current Limit;Enable Input;OCP;OVP;SCP;UVP	SOT-23-6
R7735	12	25	100;65	No			Current Mode Control;Cycle-by-Cycle Current Limit;Enable Input;OCP;OVP;SCP;UVP	DIP-8;SOT-23-6
R7780	12	25	65	No			Current Mode Control;Cycle-by-Cycle Current Limit;Enable Input;OCP;OVP;SCP;UVP	SOP-7
R7780A	12	25	65	No			Current Mode Control;Cycle-by-Cycle Current Limit;Enable Input;OCP;OVP;SCP;UVP	DIP-8;SOP-7
RT7736	12	25	65	No			Current Mode Control;Cycle-by-Cycle Current Limit;OCP;OVP;SCP	SOT-23-6
RT7737	12	25	100;65	No	200	300	OCP;OVP;Power Good;UVP	SOT-23-6
RT7738	12	25	100;65	No	200	300	Current Mode Control;Cycle-by-Cycle Current Limit;OCP;OVP;SCP;UVP	SOT-23-6
RT7738F	12	25	65	No	200	300	Current Mode Control;Cycle-by-Cycle Current Limit;OCP;OVP;UVP	SOT-23-6
RT7738M	12	25	65	No	200	300	Current Mode Control;Cycle-by-Cycle Current Limit;OCP;OVP;UVP	SOT-23-6
RT7781	12	25	65	No	400	400		SOP-7

Half-Bridge Controller

Part Number	Supply Voltage (min) (V)	Supply Voltage (max) (V)	Switching Frequency (typ) (kHz)	Duty Cycle (max) (%)	Features	Package Type
R7521	4	6	60	46	Adjustable Frequency;Cycle-by-Cycle Current Limit;Enable Input;OVP;Power Good;UVP	DIP-16;SOP-16
RT9622A	10	15	20		UVP	SOP-8

HV MOSFET/IGBT Driver

Part Number	Supply Voltage (min) (V)	Supply Voltage (max) (V)	Quiescent Current (typ) (mA)	Driver Souce Current (typ) (mA)	Driver Sink Current (typ) (mA)	Package Type
RT7020	13	20	220	290	600	DIP-8; SOP-8

PFC Controller

Part Number	Supply Voltage (min) (V)	Supply Voltage (max) (V)	Driver Souce Current (typ) (mA)	Driver Sink Current (typ) (mA)	Features	Package Type
RT7300	12	25	600	800	Current Mode Control; Cycle-by-Cycle Current Limit; Enable Input; OCP; OVP	SOP-8

Secondary Side Regulator

Part Number	Supply Voltage (min) (V)	Supply Voltage (max) (V)	Quiescent Current (typ) (mA)	FB Regulation Voltage (typ) (V)	CC Regulation Voltage (typ) (mV)	Features	Package Type
RT8457A	2.8	38	0.5	1	170	Adjustable Current Limit;OVP	SOP-8
RT8481	4.75	50	0.5	2.5	30	OCP;OVP;SCP;UVP	SOT-23-6
RT8481A	4.75	50	0.5	2.5	61	OCP;OVP;SCP;UVP	SOT-23-6

Linear Regulator (LDO)

Switching Regulators

Voice

LED Driver

Battery Management

AC/DC

Supervisor

Audio

Power Switch

MOSFET Driver

PC System Buck Controller

Operational Amplifier

Power Management Multi-Channel IC (PMIC)

Motor

OVP

Part Number	Vin (min) (V)	Vin (max) (V)	Vin_ovp (typ) (V)	Delay Time (max) (us)	Iocp (typ) (A)	ISD (typ) (uA)	Ron (typ) (mOhm)	Features	Package Type
RT1720	5	80						Adjustable Current Limit;Enable Input;OCP;OVP	MSOP-10
RT9718	4	6.9	5.85;6.25;6.8;7.2	1	1	65	200	Enable Input;OCP;OVP;SCP	WDFN-2x2-8
RT9719	4.3	6.5	6.25;7.2	1				Enable Input;OVP	SOT-23-6;WDFN-2x2-8

Housekeeping

Part Number	Supply Voltage (min) (V)	Supply Voltage (max) (V)	UVP Channel (V)	Features	Package Type
RT9832	2.8	20	2.5	Enable Input;UVP	WL-CSP-0.8x1.2-6B

Reset IC

Part Number	Vin (min) (V)	Vin (max) (V)	VTH (min) (V)	VTH (max) (V)	Accuracy (±%)	Reset Active Type	Reset Time-out Period (typ) (ms)	Reset Delay Time (typ) (ms)	Package Type
RT9801A/RT9801B	0.9	6	1.5	5	3	Low(Open Drain)	200	0.02	SOT-23-6
RT9807	0.9	5.5	1.2	3.3	1.5	Low(Open Drain)	Adj	0.1	SOT-23-5
RT9816	0.9	6	1.2	5	1.5	High(Open Drain);Low(Open Drain)	0;220;450;55	0.02	SC-82
RT9817	0.9	6	1.2	5	1.5	High;Low	0;220;450;55	0.02	SC-82;SOT-143
RT9818	0.9	6	1.2	5	1.5	High(Open Drain);Low(Open Drain)	0;220;450;55	0.02	SC-70-3;SC-82;SOT-23-3;SOT-23-5;SOT-89-3
RT9819	0.9	6	1.2	5	1.5	High;Low	0;220;450;55	0.02	SC-70-3;SC-82;SOT-23-3;WDFN-1.6x1.6-6
RT9823	2.97	5.94	1	4	2	Low(Open Drain)	300	0	SOT-23-6
RT9824C	2.97	5.94	3.98;4.23	4.08;4.41	2			60	TSOT-23-8
RT9828	0.9	6	1.2	5	1.5	Low(Open Drain)	55	0.02	SOT-23-6
RT9829	1.65	5.5				High;Low(Open Drain)		12500;7500	WDFN-2x2-8 (COL)
RT9833	0.9	6	1.2	5	1.5	High(Open Drain);Low(Open Drain)	0;220;450;55	0.02	SC-82
RT9834	0.9	6	1.2	5	1.5	High;Low	0;220;450;55	0.02	SC-82;SOT-143

Monitoring And Protection

Part Number	Vin (min) (V)	Vin (max) (V)	Amplifier Ratio	Channel Number	Features	Package Type
RT9553A	5	24	20	1	Enable Input;OCP;OVP;UVP	WDFN-3x3-10
RT9554A	5	24	200	1	OCP	WDFN-2x2-8

Audio Switch

Part Number	Vin (min) (V)	Vin (max) (V)	Turn On Resistance (mOhm)	Package Type
RT9737	2.5	5.5	70	WL-CSP-9B 1.24x1.24 (BSC)

HV Audio Amplifier

Part Number	Output Channels	Vin (min) (V)	Vin (max) (V)	Pout @ THD+N=10% (W)	Pout @ THD+N=1% (W)	SNR (dB)	Features	Package Type
RT9108N	2	8	25.5	15	8	95	OCP;OVP	PTSSOP-28
RT9108NL	2	8	16	9	8	95	OCP;OVP	PTSSOP-28

LV Audio Amplifier

Part Number	Output Channels	Vin (min) (V)	Vin (max) (V)	Pout @ THD+N=10% (W)	Pout @ THD+N=1% (W)	SNR (dB)	Features	Package Type
RT9101	1	2.5	5.5	2.65	2.08	95	OCP;OVP	WDFN-3x3-8;WL-CSP-1.45x1.45-9B;WL-CSP-1.45x1.45-9B (BSC)
RT9104	2	4.5	5.5	3	2.35	90	OCP;OVP	SOP-16;WQFN-3x3-16

Power Switch

Part Number	Number of Outputs	Vin (min) (V)	Vin (max) (V)	Ron (typ) (mOhm)	Iq (typ) (mA)	Current Limit (typ) (A)	FLAG Indicator	Iocp Adjustable	Safety	Features	Package Type
RT2528		2.5	5.5	74	0.12	2	Yes			Adjustable Current Limit	PSOP-8
RT9701	1	2.2	6	85	0.023	1.5	No	No	UL	Cycle-by-Cycle Current Limit;Enable Input;SCP	SOT-23-5
RT9702/RT9702A	1	2	5.5	80	0.025	0.8;1.5	Yes	No	UL	Cycle-by-Cycle Current Limit;Enable Input;SCP	SOT-23-5;TSOT-23-5
RT9703	1	2	5.5	80	0.03		Yes	Yes		Adjustable Current Limit;Cycle-by-Cycle Current Limit;Enable Input;SCP	SOP-8
RT9705	1	2.8	5.5	80	0.055	1.25	Yes	Yes		Adjustable Current Limit;Cycle-by-Cycle Current Limit;Enable Input;SCP	TSSOP-8
RT9705B	1	2.8	5.5	80	0.055	1.25	Yes	Yes		Adjustable Current Limit;Cycle-by-Cycle Current Limit;Enable Input;SCP	TSSOP-8
RT9706	1	2	5.5	100	0.025	0.8	Yes	No	UL	Cycle-by-Cycle Current Limit;Enable Input;SCP	SOT-23-5
RT9711	1	2.5	5.5	80	0.025	2.5	Yes	No	UL	Cycle-by-Cycle Current Limit;Enable Input;SCP	SOP-8;SOT-23-5
RT9711A/RT9711B/RT9711C/RT9711D	1	2.5	5.5	80	0.055;0.075	6	Yes	No	UL	Cycle-by-Cycle Current Limit;Enable Input;SCP	MSOP-8;SOP-8;SOT-23-5;TSOT-23-5
RT9712	2	2.7	5.5	90	0.07	1.5;2	Yes	No	Nemko;UL	Cycle-by-Cycle Current Limit;Enable Input;SCP	MSOP-8;SOP-8
RT9715	1	2.7	5.5	90	0.05	1;1.5;2;2.5	Yes	No	Nemko;UL	Cycle-by-Cycle Current Limit;Enable Input;SCP	MSOP-8;SOP-8;SOT-23-5;WDFN-3x3-8
RT9715CA	1	2.7	5.5	90	0.05	2	Yes	Yes	Nemko;UL	Enable Input	SOT-23-5
RT9716A/RT9716B	3	1.35;3.3;3.3	1.65;3.6;3.6	140;80;80	0.025;0.025;0.25	0.45;1;2	Yes	Yes	ExpressCard	Cycle-by-Cycle Current Limit;Enable Input;SCP	WQFN-4x4-20
RT9721A/RT9721B	1	2.5	5.5	80	0.05		Yes	No	UL	Cycle-by-Cycle Current Limit;Enable Input;SCP	SOT-23-5
RT9722	1	2.4	5.5	145	0.01	1	Yes	Yes		Adjustable Current Limit;Cycle-by-Cycle Current Limit;Enable Input;SCP	SOT-23-5;SOT-23-6;WDFN-2x2-6
RT9724	1	2.7	5.5	100	0.05	2	No	No		Cycle-by-Cycle Current Limit;Enable Input;SCP	SOT-23-5;WDFN-2x2-8
RT9725A/RT9725B	3	1.35;3.3	1.65;3.6;3.6	120;90;90	0.025;0.025;0.25	1.2	Yes	No	ExpressCard	Cycle-by-Cycle Current Limit;Enable Input;SCP	WQFN-3x3-20
RT9726		4.75	25		0.1		Yes				SC-70-6
RT9727A	2	6	25		0.04						SC-70-6
RT9728	1	2.5	5.5	120	0.12	1.3	Yes	Yes		Adjustable Current Limit;Cycle-by-Cycle Current Limit;Enable Input;SCP	WDFN-2x2-6
RT9728A	1	2.5	5.5	120	0.12	1.3	Yes	Yes		Adjustable Current Limit;Cycle-by-Cycle Current Limit;Enable Input;SCP	SOT-23-6;WDFN-2x2-6
RT9728B	1	2.5	5.5	120	0.12	1.3	Yes	Yes		Adjustable Current Limit	SOT-23-6;WDFN-2x2-6
RT9728C	1	2.5	5.5	120	0.12	1.3	Yes	Yes		Adjustable Current Limit;Enable Input;SCP	SOT-23-6;WDFN-2x2-6
RT9736A	2	0.8	5.5	38	0.055;0.075	6	No	No		Adjustable Soft-Start;Enable Input;Low Dropout	WDFN-14TL 3x2
RT9740A	2	0.8	5.5	18	0.055;0.075	6	No	No		Adjustable Soft-Start;Enable Input;Low Dropout	WDFN-14TL 3x2
RT9741	1	2.7	5.5	100;120	0.05	1;2	No	No		SCP	SOT-23-3
RT9742	1	2.7	6	55;70	0.03	1.1;1.65;2.2;3.3	Yes	No	Nemko;UL	Enable Input;OCP;SCP	SOT-23-3;TSOT-23-5;TSOT-23-5 (FC)
RT9745A	2	0.8	5.5	27	0.055;0.075	6	No	No		Adjustable Soft-Start;Enable Input;Low Dropout	WDFN-14TL 3x2

MOSFET Driver

Part Number	Number of Channels	Vcc (typ) (V)	UGATE Rise Time (typ) (ns)	UGATE Fall Time (typ) (ns)	LGATE Rise Time (typ) (ns)	LGATE Fall Time (typ) (ns)	UGATE Source Resistance (typ) (Ohm)	UGATE Sink Resistance (typ) (Ohm)	LGATE Source Resistance (typ) (Ohm)	LGATE Sink Resistance (typ) (Ohm)	Disable Pin	Built-In Bootstrap Diode	Iq (typ) (mA)	Features	Package Type
RT9605B	3	12	80	40	40	25					No	No	10	Tri-State Input	VQFN-4x4-24
RT9607/RT9607A	2	12	30	40	30	30	1.8	1.7	1.5	1.4	No	Yes	5.5	Tri-State Input	SOP-14;VQFN-3x3-16
RT9610A/RT9610B	1	5	8	8	8	4	1	1	1	0.5	Yes	Yes	0.08	Tri-State Input	WDFN-2x2-8;WQFN-3x3-8
RT9610C	1	5	8	8	8	4	1	1	1	0.5	Yes	No	0.08	Enable Input;External Synchronization;Tri-State Input	WDFN-2x2-8
RT9611A/RT9611B	1	12	25	12	24	10		1.4		1.1	Yes	Yes	1.2	Tri-State Input	PSOP-8;SOP-8WDFN-3x3-8 (0.5P) (no access or not exist)
RT9612A/RT9612B	1	12	25	12	24	10		1.4		1.1	No	Yes	1.2	Tri-State Input	PSOP-8;SOP-8WDFN-3x3-8 (0.5P) (no access or not exist)
RT9618/RT9618A	1	12	27	32	35	27	1.9	1.4	1.9	1.1	Yes	Yes	1	Tri-State Input	SOP-8;WDFN-3x3-8 (0.5P)
RT9619/RT9619A	1	12	27	32	35	27	1.9	1.4	1.9	1.1	No	Yes	1	Tri-State Input	SOP-8
RT9624A	1	12	25	12	24	10	1.7	1.4	1.6	1.1	Yes	Yes	0.12	Tri-State Input	PSOP-8;SOP-8;WDFN-3x3-8
RT9624B	1	12	25	12	24	10	1.7	1.4	1.6	1.1	No	Yes	0.12	Tri-State Input	PSOP-8;SOP-8;WDFN-3x3-8
RT9624C	1	12	25	12	24	10	1.7	1.4	1.6	1.1	Yes	Yes	0.12	Tri-State Input	WDFN-2x2-8S
RT9624D	1	12	25	12	24	10	1.7	1.4	1.6	1.1	No	Yes	0.12	Tri-State Input	WDFN-2x2-8S
RT9624E	1	12	25	12	24	10	1.7	1.4	1.6	1.1	Yes	Yes	0.12	Built-in Bootstrap Switch;Enable Input;Tri-State Input	WDFN-3x3-8
RT9624F	1	12	25	12	24	10	1.7	1.4	1.6	1.1	No	Yes	0.12	Built-in Bootstrap Switch;Tri-State Input	WDFN-3x3-8
RT9624G	1	12	25	12	24	10	1.7	1.4	1.6	1.1	Yes	Yes	0.12	Built-in Bootstrap Switch;Enable Input;Tri-State Input	WDFN-2x2-8S
RT9624H	1	12	25	12	24	10	1.7	1.4	1.6	1.1	No	Yes	0.12	Built-in Bootstrap Switch;Tri-State Input	WDFN-2x2-8S
RT9625A	2	12	25	12	24	10	1.7	1.4	1.6	1.1	Yes	Yes	0.18	Tri-State Input	WQFN-4x4-16
RT9625B	2	12	25	12	24	10	1.7	1.4	1.6	1.1	No	Yes	0.18	Tri-State Input	WQFN-4x4-16
RT9627A	2	5	8	8	8	4	1	1	1	0.5	Yes	Yes	0.12	Tri-State Input	WDFN-3x3-12
RT9629A	3	12	25	12	24	10	1.7	1.4	1.6	1.1	Yes	Yes	0.25	Tri-State Input	WQFN-5x5-24
RT9629B	3	12	25	12	24	10	1.7	1.4	1.6	1.1	No	Yes	0.25	Tri-State Input	WQFN-5x5-24

PC System Buck Controller

Part Number	Vin (min) (V)	Vin (max) (V)	Vout (min) (V)	Vout (max) (V)	Preset Vout (V)	Output Adj. Method	Freq (typ) (kHz)	Freq (min) (kHz)	Freq (max) (kHz)	Iq (typ) (mA)	Features	Package Type
RT8205A/RT8205B/RT8205C	6	25	2	5.5	3.3;5	Fixed;Resistor	300;375	200	500	0.2		WQFN-4x4-24
RT8205L/RT8205M	6	25	2	5.5	3.3;5	Fixed;Resistor	300;375	200	500	0.2		WQFN-4x4-24
RT8206A/RT8206B	6	25	2	5.5	3.3;5	Fixed;Resistor	300;375	200	500	0.18	Adjustable Current Limit;Adjustable Frequency; Built-in Bootstrap Switch;COT Control; Cycle-by-Cycle Current Limit; Diode Emulation Mode;Enable Input; Fast Transient Response;OCP;OVP; Power Good;SCP;UVP;Ultrasonic Mode Control	WQFN-5x5-32
RT8206L/RT8206M	6	25	2	5.5	3.3;5	Fixed;Resistor	300;375	200	500	0.18		WQFN-5x5-32
RT8223A/RT8223B	6	25	2	5.5	3.3;5	Fixed;Resistor	300;375	200	500	0.2		WQFN-4x4-24
RT8223L/RT8223M	6	25	2	5.5	3.3;5	Fixed;Resistor	300;375	200	500	0.2		WQFN-4x4-24
RT8223N	6	25	2	5.5	3.3;5	Fixed;Resistor	250;313	200	375	0.2		WQFN-4x4-24
RT8223P	6	25	2	5.5	3.3;5	Fixed;Resistor	300;375	200	500	0.2		WQFN-4x4-24

Operational Amplifier

Part Number	Vs (min) (V)	Vs (max) (V)	Number of Outputs	Voffset (typ) (mV)	Iout (typ) (mA)	Ipeak (typ) (mA)	Slew Rate (V/us)	AVOL (typ) (dB)	CMRR (typ) (dB)	PSRR (typ) (dB)	Package Type
RT9133A/RT9133B	4.5	15	1;2	2	35	120	12	95	80	70	MSOP-8;SOT-23-5;WDFN-2x2-6
RT9134	4.5	15	4	2	35	90	12	95	65	70	TSSOP-14;VQFN-4x4-16
RT9136	4.5	16.5	4	2	120	12	95			70	MSOP-10
RT9137/RT9138/RT9139	4.5	16.5	1;2;4	3	35	100	110	70	70	70	MSOP-8;PTSSOP-14;TSOT-23-5;TSSOP-14;WDFN-3x3-10; WQFN-4x4-16
RT9146/RT9147	6	20	1;2	2	1000	35	35	118	95	96	WDFN-3x3-8;WDFN-3x3-8S;WQFN-4x4-16
RT9148/RT9149	6	20	1;2	2	350	35	35	118	95	96	TSOT-23-5;UDFN-6L 2x2;WDFN-2x2-6;WDFN-3x3-8

Power Management Multi-Channel IC(PMIC)

Part Number	Vin (min) (V)	Vin (max) (V)	Number of Channels	Number of Buck Converters	Number of Boost Converters	Number of Negative Outputs	Number of LED Drivers	Number of LDO Regulators	Features	Package Type
RT5035A/B	1.8	5.5	10	4	2			3	Current Mode Control;High PSRR;Internal Compensation; Low Dropout;OCP;OVP;UVP	WQFN-5x5-40
RT5002	2.7	5.5	8	3	2	1	1	1	100% Duty Cycle;Current Mode Control;Enable Input; Internal Compensation;OCP;OVP;UVP	WQFN-5x5-40
RT5002C	2.7	5.5	8	3	2	1	1	1	100% Duty Cycle;Current Mode Control;Enable Input; Internal Compensation;OCP;OVP;UVP	WQFN-5x5-40
RT5006	8	16	1		1			1	Current Mode Control;Internal Compensation;OCP;OVP;SCP;UVP	WQFN-4x4-20;WQFN-5x5-28
RT5007	8	16	1		1			1	Current Mode Control;Internal Compensation;OCP;OVP;SCP;UVP	WQFN-3x3-16
RT5014	1.8	5.5						6		WQFN-5x5-40
RT5016C	1.8	5.5	9	3	1	0	1	3	Internal Compensation;OCP;OVP;Power Good;UVP	WQFN-5x5-40
RT5021	4.4	6	9	3	1	0	1	3	Internal Compensation;OCP;OVP;Power Good;UVP	WQFN-5x5-40
RT5028C	3.3	5.5	12	4				8	Adjustable Frequency;Cycle-by-Cycle Current Limit;Internal Compensation;UVP	WQFN-7x7-56
RT5028D	3.3	5.5		4				8	Adjustable Frequency;Enable Input;Internal Compensation;OCP;UVP	WQFN-7x7-56
RT5035A/B	1.8	5.5	10	4	2			3	Current Mode Control;High PSRR;Internal Compensation;Low Dropout;OCP;OVP;UVP	WQFN-5x5-40
RT5047	8	16	1		1			1	Current Mode Control;Internal Compensation;OCP;OVP;SCP;UVP	PSOP-8
RT5047A	8	16	1		1			1	Current Mode Control;Internal Compensation;OCP;OVP;SCP;UVP	PSOP-8
RT5070	8	16	1		1			1	Current Mode Control;Internal Compensation;OCP;OVP;SCP;UVP	PSOP-8
RT5072	4.4	6	9	3	1	0	1	3	Internal Compensation;OCP;OVP;Power Good;UVP	WQFN-5x5-40
RT6908	9	16						0	OCP	WQFN-5x5-40
RT8553A	2.5	4.5		0	1	1			Enable Input;OCP;OVP;SCP	UDFN-3x3-12
RT8900	0	6	8			8				TSSOP-20;WQFN-4x4-20
RT8901	20	35	1							SOP-8
RT8910A	2.5	5	6			6			Stable with Ceramic Capacitor	WQFN-4x5-28
RT8966H	2.8	5.5	8	0	0	0	4	4	OCP;OVP;UVP	WQFN-4x4-32
RT9907	2.4	5.5	3	2	1	0	0	0	100% Duty Cycle;Enable Input;OCP;OVP;SCP;UVP	VQFN-4x4-24
RT9911	2.4	5.5	6	1	3	1	1	0	100% Duty Cycle;Enable Input;Internal Compensation;OCP;OVP;UVP	VQFN-6x6-40
RT9912A	1.7	5	3	1	1	0	0	1	Enable Input;Low Dropout;OCP	WQFN-4x4-24
RT9917	2.7	5.5	7	2	3	1	1	0	100% Duty Cycle;Enable Input;Internal Compensation;OCP;OVP;UVP	WQFN-5x5-40
RT9919	2.7	5.5	7	3	2	1	1	1	100% Duty Cycle;Enable Input;Internal Compensation;OCP;OVP;UVP	WQFN-5x5-40
RT9941	3.3	5.5	7	2	0	0	0	5	Enable Input;OCP	WQFN-5x5-40
RT9945	3.3	5.5	7	2	0	0	0	5	Enable Input;OCP	WQFN-5x5-40
RT9953	2.7	5.5	5	2	2	0	0	1	100% Duty Cycle;Enable Input;High PSRR;Internal Compensation;OCP;OVP;UVP	WQFN-4x4-24
RT9971	2.7	5.5	7	3	2	1	1	1	100% Duty Cycle;Enable Input;Internal Compensation;OCP;OVP;UVP	WQFN-5x5-40
RT9986	2.7	5.8	7	3	2	1	1	1	100% Duty Cycle;Current Mode Control;Enable Input;Internal Compensation;OCP;OVP;UVP	WQFN-4x4-32
RT9986A	2.7	5.8	7	3	2	1	1	1	100% Duty Cycle;Current Mode Control;Enable Input;Internal Compensation;OCP;OVP;UVP	WQFN-4x4-32
RT9991	2.8	5.5	3	3	0	0	0	0	Enable Input;OCP	VQFN-5x5-32

Motor Controller

Part Number	Number of Phases	Vcc (min) (V)	Vcc (max) (V)	Disable Pin	Features	Package Type
RT8720A	1	1.8	5.5	No	OCP;OVP;UVP	UDFN-8SL 2x2
RT8720B	1	1.8	5.5		OCP;OVP;UVP	UDFN-8SL 2x2
RT8723		1.8	5.5	No	OCP;OVP;UVP	UDFN-3x3-10
RT8725	1	1.8	5.5	No	OCP;OVP;UVP	UDFN-2x3-8
RT8749	1	5.8	14	No	OCP	WDFN-4x4-16
RT8749A	1	5.8	20	Yes	OCP	WDFN-4x4-16



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