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Product Selection Guide

2 Power Amplifiers

Part	Description	Frequency (MHz)	V _{CC} (Volts)	Efficiency (% Max)	Output Power	Package
RF2103P	Medium Power Linear Amplifier	450 to 1000	2.7 to 7.5	47	750mW at 7.5V	SOIC-14
RF2114	Medium Power Linear Amplifier	1 to 600	2.7 to 6.5	45	800mW at 5.8V	SOP-14
RF2117	High Efficiency 400MHz Amplifier	400 to 500	3.0 to 5.5	50		PSOP-16
RF2125P	High Power Linear Amplifier	1500 to 2200	2.7 to 7.5	45	1W at 6.0V	PSOP-8
RF2126	High Power Linear Amplifier	1800 to 2500	3.0 to 6.5	45	1.3W at 6.0V	PSOP-8
RF2127	Medium Power Linear Amplifier	1500 to 1900	3.0 to 6.5	30	200mW at 6.0V	SOP-8
RF2131	High Efficiency AMPS/ETACS Amplifier	800 to 950	4.0 to 7.0	64	1.2W at 4.8V	SOP-16 BW
RF2132	Linear Power Amplifier	800 to 950	4.2 to 5.0	55	1.6W at 4.8V	SOP-16 BW
RF2146	PCS Linear Power Amplifier	1500 to 2000	4.0 to 6.5	37	700 mW at 4.8V	SOP-16 QBW1
RF2155	3V Programmable Gain Power Amplifier	430 to 930	3.0 to 5.0	56	450mW at 3.6V	SOP-16 BW
RF2157	PCS CDMA/TDMA 3V Power Amplifier	1750 to 1910	3.0 to 4.5	35	800 mW at 3.4V	QFN-16
RF2162	3V 900MHz Linear Amplifier	800 to 960	3.4	35	800mW at 3.4V	QFN-16
RF2163	3V, 2.5GHz Linear Power Amplifier	1800 to 2500	3.0 to 5.0	40	32dBm at 3.3V	QFN-16
RF2172	ISM Band 3.6V, 250mW Amp with Analog Gain Control	902 to 928	3.0 to 3.6	58	24dBm at 3.6V	QFN-16
RF2173	3V GSM Power Amplifier	800 to 950	2.7 to 4.8	56	36dBm at 3.5V	QFN-16
RF2174	3V DCS Power Amplifier	1700 to 1950	2.7 to 4.8	51	33dBm at 3.5V	QFN-16
RF2175	3V 400MHz Linear Amplifier	380 to 512	3.0 to 5.2	30	34dBm at 3.6V	PSSOP-16
RF2186	3V W-CDMA Power 1900MHZ/ 3V Linear Power Amplifier	1850 to 2000	3.0 to 5.0	34	26dBm at 3.0V	QFN-16
RF2189	3V, 2.5GHz Linear Power Amplifier	1800 to 2500	3.0 to 5.0	42	26dBm at 3.3V	QFN-16
RF2192	3V 900MHz Linear Power Amplifier	824 to 849	3.0 to 4.2	37	29dBm at 3.4V	QFN-16
RF2196	3V PCS Linear Power Amplifier	1850 to 1910	3.0 to 4.2	35	29dBm at 3.4V	QFN-16
RF3100-2	3V 900MHz Linear Amplifier Module	824 to 849	3.2 to 4.2	35	28dBm at 3.2V	LGM (6mmx6mm)
RF3100-3K	3V 1700MHz Linear Amplifier Module	1750 to 1850	3.2 to 4.2	35	28dBm at 3.2V	LGM (6mmx6mm)
RF3108	Triple-Band GSM/DCS/PCS Power Amp Module	880 to 915/ 1710 to 1910	2.9 to 4.7	55/ 50	35.5dBm at 3.5V/ 33dBm at 3.5V	LGM (9mmx10mm)
RF3110	Triple-Band GSM/DCS/PCS Power Amp Module	880 to 915/ 1710 to 1910	2.9 to 5.5	55/ 52		LGM (10mmx10mm)
RF3133	Quad-Band GSM850/GSM/DCS/PCS Power Amp Module	800 to 2000	3.5		35dBm	LGM (7mmx10mm)
RF3140	Quad-Band GSM850/GSM900/DCS/PCS Power Amp Module	824 to 849/ 880 to 915/ 1710 to 1785/ 1850 to 1910	3.0 to 5.5		35dBm at 3.5V (GSM)/ 32.5dBm at 3.5V (DCS/PCS)	LGM (10mmx10mm)
RF3300-2	3V 900MHz Linear Amplifier Module	824 to 849	3.2 to 4.2	35	28dBm at 3.2V	LGM (6mmx7.5mm)
RF3300-3	3V 1900MHz Linear Amplifier Module	1850 to 1910	3.2 to 4.2	35	28dBm at 3.2V	LGM (6mmx7.5mm)
RF5107	3V 900MHz Linear Amplifier	824 to 849	3.0 to 4.2	37	29dBm at 3.3V	QFN-16
RF5117	3V, 1.8GHz to 2.8GHz Linear Power Amplifier	2450	3.0	25	21dBm	QFN-16
RF5154	CDMA 1900MHz 3V Power Amplifier	1850 to 1910	3.2 to 4.2	33	29dBm at 3.4V	QFN-16
RF5187	Low Power Linear Amplifier	800 to 2500	5.0 to 6.0	n/a	Up to 20dBm, Class A operation (OP1dB=29.5dBm)	SOIC-8 Slug
RF6000-2	3V 900MHz Linear Amplifier Module	824 to 849	3.2 to 4.2	37	28.5dBm at 3.4V	LGM (5mmx5mm)
RF6000-3	3V 1900MHz Linear Amplifier Module	1850 to 1910	3.2 to 4.2	37	28.5dBm at 3.4V	LGM (5mmx5mm)
RF6100-1	3V 900MHz Linear Power Amplifier Module	824 to 849	3.2 to 4.2		+28dBm at 3.4V	LGM (4mmx4mm)
RF6100-2	3V 900MHz Linear Power Amplifier Module	824 to 849	3.2 to 4.2		+28dBm at 3.4V	LGM (4mmx4mm)
RF6100-3	3V 1900MHz Linear Power Amplifier Module	1850 to 1910	3.2 to 4.2		+28dBm at 3.4V	LGM (4mmx4mm)
RF6100-4	3V 1900MHz Linear Power Amplifier Module	1850 to 1910	3.2 to 4.2		+29dBm at 3.4V	LGM (4mmx4mm)

3 Linear CATV Amplifiers

Part	Description	Frequency (MHz)	V _{CC} (Volts)	I _{CC} (mA)	Isolation (dB)	Gain (dB)	NF (dB)	P1dB (dBm)	Package
RF2312	Linear General Purpose Amplifier	DC to 2500	5 to 12	40 to 115	20	15	3.8	+22	SOP-8
RF2317	Linear CATV Amplifier	DC to 3000	9 to 12	100 to 180	20	14.5	4.9	+24	SOP-16 QBW1
RF2318	Linear Broadband Amplifier	DC to 5.0	9 to 12	50 to 65	15	8	6		SOIC-8
RF2320	Linear General Purpose Amplifier	5 to 2500	6 to 9	75 to 100	20	16	1.6	+22.5	SOP-16BW
RF2360	Linear General Purpose Amplifier	5 to 1500	6 to 9	100	24	20	1.2	+24	SOP-16BW
RF3322	Cable Reverse Path Programmable Gain Amplifier	5 to 65	4.75 to 5.25	130	95	-30 to +28		+17	QSOP-20
RF3330	IF Gain Controlled Amplifier	1 to 150	4.75 to 5.25	18		8 to 34		+17	SOT23-8

4 General Purpose RF Amplifiers

Part	Description	Frequency (GHz)	V _{CC} (Volts)	I _{CC} (mA)	Isolation (dB)	Gain (dB)	NF (dB)	P1dB (dBm)	Package
RF2044	General Purpose Amplifier	DC to 6	4.3 to 5.3	65	22	20	4.1	+18.5	MicroX-CF
RF2045	General Purpose Amplifier	DC to 6	4.6 to 5.6	65	18	14	5.0	+18	MicroX-CF
RF2046	General Purpose Amplifier	DC to 3	3 to 4	35	23	22	3.8	+12	MicroX-CF
RF2047	General Purpose Amplifier	DC to 6	3 to 4	40	19	16	4.2	+12	MicroX-CF
RF2048	General Purpose Amplifier	DC to 8	3 to 4	40	16.5	12	5.3	+12	MicroX-CF
RF2301	High Isolation Buffer Amplifier	0.3 to 2.5	2.7 to 6	18	50	24	8.0	+4	SOIC-8
RF2304	General Purpose Low-Noise Amplifier	0.3 to 2.5	2.7 to 6.0	5 to 26	18	8	1.8	+6	SOIC-8
RF2312	Linear General Purpose Amplifier	DC to 2.5	9	100	20	16@1GHz	4.2@1GHz	+18.5	SOIC-8
RF2314	General Purpose Low Noise Amplifier	0.15 to 2.5	2.7 to 6.0	5 to 25	20	14	1.4	+8	SOT23-5
RF2317	Linear CATV Amplifier	DC to 3	8.7	180	20	15@1GHz	5.3@1GHz	+22	CJ2BAT0
RF2318	Linear Broadband Amplifier	DC to 5	9.0	63	15	9@1GHz/ 11@2GHz	6	+18.0	SOIC-8
RF2320	Linear General Purpose Amplifier	0.5 to 2.5	7	85	20	16.7@1GHz	2.6@1GHz	+24.7	CJ2BAT0
RF2324	PCS CDMA/TDMA 3V PA Driver Amplifier	0.15 to 2.5	2.5 to 6.0	24 to 43	36	22	1.8	+16	MSOP-8
RF2333	General Purpose Amplifier	DC to 6	5 to 6	70	17	10	8.2	+18.5	SOT23-5
RF2334	General Purpose Amplifier	DC to 6	>4.8	65	20	16	5	+18.5	SOT23-5
RF2335	General Purpose Amplifier	DC to 6	>5.0	65	17	12	5.6	+17	SOT23-5
RF2336	General Purpose Amplifier	DC to 6	>3.5	35	21	20	3.8	+11	SOT23-5
RF2337	General Purpose Amplifier	DC to 6	>3.6	40	17	15	4.5	+12	SOT23-5
RF2338	General Purpose Amplifier	DC to 6	>3.6	40	16	12		+10.5	SOT23-5
RF2347	3V Low Noise Amplifier/ 3V PA Driver Amplifier	0.15 to 2.5	2.5 to 6.0	22	26	20.5	1.4	+15.5	MSOP-8
RF2352	3V CDMA Driver Amplifier	0.8 to 0.9	2.7 to 3.6	15		19.5	2.3		QFN-16
RF2360	Linear General Purpose Amplifier	0.5 to 1.5	9.0	120		20	1.5		CJ2BAT0
RF2361	3V Low Noise Amplifier/ 3V PA Driver Amplifier	0.15 to 2.5	2.5 to 6.0	22	26	20.5	1.4	+15.5	SOT23-5
RF2362	PCS CDMA/TDMA 3V PA Driver Amplifier	0.15 to 2.5	2.5 to 6.0	38	32	20.1	2.2	+14.5	SOT23-5
RF2363	Dual-Band 3V Low Noise Amplifier	0.8 to 1.0/ 1.8 to 2.0	2.5 to 5.0	5/ 7.5	20/ 30	18/ 21.5	1.3/ 1.4	-10/ -12	SOT23-8
RF2364	3V PCS Low Noise Amplifier	1.8 to 2.5	2.7 to 3.3	17	27	18	1.8	-8.5	SOT23-5
RF2365	3V Low Noise Amplifier	1.5 to 2.5	3.0	5.0 to 8.0	25	18	1.6		SOT23-5
RF2366	3V Low Noise Amplifier/ 3V PA Driver Amplifier	0.15 to 2.5	3	6.5 to 8.5		12.0 to 16.5	1.4 to 2.0		SOT23-6
RF2367	PCS CDMA/TDMA/GSM1800 3V PA Driver Amplifier	0.15 to 2.5	2.5 to 6.0	24 to 45	34	21.5	2.2	+14	SOT23-6
RF2368	DCS/PCS 2.7V Low Noise Amplifier	1.8 to 2.0	2.7 to 2.86	9.0	20	16.5 to 18	1.6	-10	SOT23-8
RF2369	3V Low Noise Amplifier/ 3V PA Driver Amplifier	0.15 to 2.5	3.0	2		15.5/16.0	1.6/2.0		SOT23-6
RF2371	3V Low Noise Amplifier	0.7 to 2.0	2.7 to 3.6	2.9		17	1.6		SOT23-8
RF2376	Cellular TDMA/CDMA Linear Variable Gain Amplifier	0.8 to 1.0	2.8	30		27	7		SOT23-6
RF2377	PCS/Cellular TDMA/CDMA/W-CDMA Linear Variable Gain Amplifier	0.8 to 2.1	2.8	45		24	7		SOT23-6
RF2381	PCS/Cellular TDMA/CDMA/W-CDMA Linear Variable Gain Amplifier	0.8 to 2.1	2.8	35		20	9		SOT23-6
RF2416	Dual-Band 2.7V Low Noise Amplifier	0.8 to 1.0/ 1.8 to 2.0	2.7 to 2.86	5.5/ 9.0	21/ 20	15.5/ 17.5	1.1/ 1.5	-9/ -10	QFN-12
RF2417	Tri-Band Low Noise Amplifier	925 to 960/ 1805 to 1880/ 1930 to 1990	2.7 to 3.3	4.0/ 5.5/ 5.5	22/ 33/ 35	17/ 19/ 17	1.7/ 1.9/ 2.0	-20/ -18/ -18	QFN-16
RF2442	High-Linearity Low Noise Amplifier	0.50 to 2.5	2.5 to 5.0	16	24	20	1.5	+13	MSOP-8
RF2451	3V Low Noise Amplifier	0.70 to 2.0	2.7 to 3.6	2.9		12	1.7	-3	MSOP-8
RF2472	2.4GHz Low Noise Amplifier with Enable	DC to 6	2.7 to 3.6	6		14.6	1.5	-10	SOT23-5
RF2681	W-CDMA Linear Variable Gain Driver Amplifier	1.8 to 2.1	2.7 to 3.3	38		26	3		QFN-12
RF3305	Broadband High Linearity Amplifier	300 to 3000	5.0	150.0		12.5at2000	3.0		QFN-12
RF3394	General Purpose Amplifier	DC to 6	4.4 to 6.5	65		18.7at2000	3.5		QFN-12
RF3395	General Purpose Amplifier	DC to 6	4.6 to 7.0	65		12.7at2000	5.3		QFN-12
RF3396	General Purpose Amplifier	DC to 6	3.0 to 4.7	35		19.8at2000	2.0		QFN-12
RF3397	General Purpose Amplifier	DC to 6	3.0 to 5.0	40		15.5at2000	2.8		QFN-12
RF3398	General Purpose Amplifier	DC to 6	3.5 to 5.3	40		12.0at2000	3.7		QFN-12

(Continued on next page)

4 General Purpose RF Amplifiers, cont'd

Part	Description	Frequency (GHz)	V _{SUPPLY} (Volts)	I _{CC} (mA)	Isolation (dB)	Gain (dB)	NF (dB)	P1dB (dBm)	Package
NBB-300	Cascadable Broadband GaAs MMIC Amplifier DC to 12GHz	DC to 12	3.9	50	18	12	5.1	+13.8	Cer 4-Pin-Micro-X
NBB-302	Cascadable Broadband GaAs MMIC Amplifier DC to 12GHz	DC to 12	3.9	50	18	12	5.1	+13.8	Cer MPGA 3x3
NBB-310	Cascadable Broadband GaAs MMIC Amplifier DC to 12GHz	DC to 12	5	50	17	12.5	4.9	+14.7	Cer 4-Pin-Micro-X
NBB-312	Cascadable Broadband GaAs MMIC Amplifier DC to 12GHz	DC to 12	5	50	17	12.5	4.9	+14.7	Cer MPGA 3x3
NBB-400	Cascadable Broadband GaAs MMIC Amplifier DC to 8GHz	DC to 8	3.9	47	19.5	15.5	4.3	+14.6	Cer 4-Pin-Micro-X
NBB-402	Cascadable Broadband GaAs MMIC Amplifier DC to 8GHz	DC to 8	3.9	47	19.5	15.0	4.3	+14.6	Cer MPGA 3x3
NBB-500	Cascadable Broadband GaAs MMIC Amplifier DC to 4GHz	DC to 4	3.9	35	18	19	3.2	+12.3	Cer 4-Pin-Micro-X
NBB-502	Cascadable Broadband GaAs MMIC Amplifier DC to 4GHz	DC to 4	3.9	35	18	19	3.2	+12.3	Cer MPGA 3x3
NBT-168	Microwave GaInP/GaAs Discrete HBT DC to 12GHz	DC to 12	3.9	29, 36		26	1.7		Cer MPGA 3x3
NDA-210-D	GaInP/GaAs HBT MMIC Distributed Amplifier DC to 17GHz	DC to 17	4.6, 2.9	29, 36	14	6	5.6	+12.6	Bare die
NDA-212	GaInP/GaAs HBT MMIC Distributed Amplifier DC to 17GHz	DC to 17	4.6, 2.9	28, 42	14	6	5.6	+12.6	Cer MPGA 3x3
NDA-310-D	GaInP/GaAs HBT MMIC Distributed Amplifier DC to 15GHz	DC to 15	4.7, 2.9	28, 42	14	9	4.8	+15.1	Bare die
NDA-312	GaInP/GaAs HBT MMIC Distributed Amplifier DC to 15GHz	DC to 15	4.7, 2.9	24, 40	14	9	4.8	+15.1	Cer MPGA 3x3
NDA-320-D	GaInP/GaAs HBT MMIC Distributed Amplifier DC to 12GHz	DC to 12	4.7, 4.0	24, 40	14.6	9	6.4	+14.8	Bare die
NDA-322	GaInP/GaAs HBT MMIC Distributed Amplifier DC to 12GHz	DC to 12	4.7, 4.0	29, 36	14.6	9	6.4	+14.8	Cer MPGA 3x3
NDA-410-D	GaInP/GaAs HBT MMIC Distributed Amplifier DC to 11GHz	DC to 11	4.7, 2.9	29, 36	16.5	13	4.1	+14.6	Bare die
NDA-412	GaInP/GaAs HBT MMIC Distributed Amplifier DC to 11GHz	DC to 11	4.7, 2.9	29, 36	16.5	13	4.1	+14.6	Cer MPGA 3x3
NKD-100-D	Millimeter-Wave Frequency Doubler MMIC 5GHz to 24GHz	5 to 24	3.35	25					Bare die
NLB-300	Cascadable Broadband GaAs MMIC Amplifier DC to 10GHz	DC to 10	3.8	50	-16	12 (@ 1GHz)	4.9	14.1 (@ 6GHz)	Plas 4-Pin Micro-X
NLB-310	Cascadable Broadband GaAs MMIC Amplifier DC to 10GHz	DC to 10	4.6	50	-17	12 (@ 1GHz)	5.0	14.9 (@ 6GHz)	Plas 4-Pin Micro-X
NLB-400	Cascadable Broadband GaAs MMIC Amplifier DC to 6GHz	DC to 6	3.9	47	-17	15.5 (@ 1GHz)	4.1	14.6 (@ 6GHz)	Plas 4-Pin Micro-X

5 Modulators And Upconverters

Part	Description	Frequency (MHz)	V _{CC} (Volts)	Conversion Method	I _{CC} (mA)	Gain Control (dB)	Mod BW (MHz)	Package
RF2413	Gain Controlled Dual-Conversion Quadrature Modulator	200 to 1000	3 to 6.5	Dual	35	60	25	SOP-20
RF2422	2.5GHz Direct Quadrature Modulator	800 to 2500	4.5 to 6.0	Direct	45	n/a	250	SOP-16
RF2480	Direct Quadrature Modulator	800 to 2500	4.5 to 6.0	Direct	50	n/a	DC to 250	SOP-16
RF2483	Low Noise Dual-Band Quadrature Modulator with AGC	700 to 2200	2.7 to 3.3	Dual	85	36	150	QFN-20
RF2484	Direct Quadrature Modulator	800 to 2500	4.5 to 6.0	Direct	66	n/a	DC to 250	QFN-16
RF2485	VHF Quadrature Modulator	200 to 600	4.5 to 5.5	Direct	28	n/a	DC to 100	SOIC-14
RF2713	Quadrature Modulator/Demodulator	0.1 to 250	2.7 to 6	Direct	10	n/a	50	SOP-14
RF2909	3V 915MHz Spread-Spectrum Transmitter IC	100 to 1100	2.7 to 5.0	Direct	30 to 175	20	10	SSOP-24

6 Mixers

Part	Description	Frequency (MHz)	IF (MHz)	V _{CC} (Volts)	I _{CC} (mA)	Package
RF2459	3V PCS Downconverter	1500 to 2500	DC to 500	2.7 to 3.6	20	MSOP-8
RF2638	W-CDMA and CDMA Upconverter/ BPSK Modulator	500 to 2500	300	2.7 to 3.3	25	MSOP-8
RF2640	3V 900MHz Upconverter/ Driver Amplifier	824 to 849	180	2.7 to 3.3	45	MSOP-10
RF2641	CDMA Upconverter/BPSK Modulator	500 to 2500	DC to 300	2.7 to 3.3	13	MSOP-8
RF2642	3V 900MHz Upconverter/ Driver Amplifier with Bypass Mode	824 to 849	130	2.7 to 3.3	18	QFN-16
RF2643	3V Dual-Band Upconverter and Driver Amplifier	824 to 849/ 1850 to 1910	100 to 250	2.7 to 3.0	30/ 33	QFN-20
RF9908	CDMA/FM Upconverter/BPSK Modulator	500 to 1500	200	3.6	18	SOP-8
RF9938	PCS Upconverter/BPSK Modulator	1200 to 2500	200	3.6	27	SOP-8

7 Quadrature Demodulators

Part	Description	Frequency (MHz)	V _{CC} (Volts)	I _{CC} (mA)	LO Freq	Amp Phase Bal	Demod Gain (dB)	Package
RF2689	W-CDMA/GSM/DCS Receive AGC and Demodulator	50 to 400	2.7 to 3.3	8	4xIF	0.2dB, $\pm 2^\circ$	-15 to +80	QFN-20_4x4
RF2690	W-CDMA Receive AGC and Demodulator	50 to 400	2.7 to 3.3	8	4xIF	0.2dB, $\pm 2^\circ$	+10 to +80	QFN-20_4x4
RF2713	Quadrature Modulator/Demodulator	0.1 to 250	2.7 to 6	8	2xIF	0.1dB, $\pm 1^\circ$	20	SOP-14
RF2721	Quadrature Demodulator	0.1 to 500	4.5 to 5.5	4.5	2xIF	0.1dB, $\pm 1^\circ$	14	SOIC-14

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8 Front-Ends

Part	Description	Frequency (MHz)	V _{CC} (Volts)	I _{CC} (mA)	Casc. Gain (dB)	Gain Control (dB)	Casc. IIP ₃ (dBm)	Casc. NF (dB)	Package
RF2411	Low Noise Amplifier/Mixer	500 to 1900	3 to 6.5	20	27	n/a	-8.0	2.4	SOP-14
RF2418	Low Current LNA/Mixer	400 to 1100	3 to 6.5	4.5	19	n/a	-13.0	3.9	SOP-14
RF2460	PCS CDMA Low Noise Amplifier/Mixer 1500MHz to 2200MHz Downconverter	1500 to 2200	2.7 to 3.3	14 to 26	-6.5 to 24	n/a	-8.0 to +20.5	2.2 to 23	QFN-20
RF2461	CDMA/FM Low Noise Amplifier/Mixer 900MHz Downconverter	869 to 894	2.65 to 3.15	15 to 26	1.5 to 28	30	-9.0 to +21.0	2.4 to 22.5	QFN-20
RF2469	W-CDMA and PCS Low Noise Amplifier/Mixer Downconverter	2110 to 2170	2.7 to 3.3	12.5 to 18.6	1.5 to 24.5	n/a	-9.5 to +11.8	2.55 to 15	QFN-20
RF2475	Dual-Band Low Noise Amplifier/Mixer with Frequency Doubler	869 to 894/ 1930 to 1990	2.7 to 3.3	20/ 28	25/ 26	17/ 20	-9.0/ -10.0	2.2/ 2.8	QFN-28
RF2486	PCS Low Noise Amplifier/Mixer	1500 to 2500	2.7 to 5.0	52	26	n/a	-15.0	4.0	SSOP-24
RF2489	Dual-Band/Tri-Mode CDMA Low Noise Amplifier/Mixer	869 to 894/ 1930 to 1990/ 1575.42	2.7	27.5/ 29.5/ 26.0	25.0/ 26.5/ 32.5	30	-7.8/ -9.1/ -15.4	2.0/ 2.2/ 1.7	QFN-32
RF2494	High Frequency LNA/Mixer	2400 to 2500	2.7 to 3.6	17	28	n/a	-22	4.5	QFN-16
RF2496	Tri-Band/Quad-Mode CDMA/GPS Low Noise Amplifier/Mixer	800 to 900/ 1500 to 2200	2.65 to 3.15	14.5 to 26.0	22/ 24.5/ 26/35	17/30	-9.6 to +18.8	1.6 to 22	QFN-32
RF2498	Tri-Band/Quad-Mode CDMA/GPS Low Noise Amplifier/Mixer	800 to 900 1500 to 2200 1575.42	2.65 to 3.15	27.0/ 27.5/ 24.0	25.0/ 26.5/ 35.5	27.5/ 28.0	-8.5/ -7.5/ -2.3	2.1/ 2.2/ 1.6	QFN-32
RF2860	PCS CDMA Low Noise Amplifier/Mixer Broadband Downconverter	1575 to 2170	2.65 to 3.15	27.5/ 24.5	28.0/ 25.5	21.5	-11/ -12	1.8/ 2.5	QFN-16
RF2870	CDMA Low Noise Amplifier/Mixer 900MHz Downconverter	800 to 900	2.65 to 3.15	26.5	25	28.5	-9	1.9	QFN-16
RF9986	PCS Low Noise Amplifier/Mixer	1500 to 2500	3.6	5 to 48	26	n/a	-11.0	2.5	SSOP-24

9 Attenuators and Switches

Part	Description	Frequency (MHz)	V _{CC} (Volts)	I _{CC} (mA)	Ins. Loss (dB)	Attn. Range/ Isolation (dB)	Attn. Step (dB)	Package
RF2420	Programmable Attenuator	DC to 950	3 to 6	4	4.0	44	2	SOP-16
RF2421	10dB Switched Attenuator	500 to 3000	2.7 to 6	0.5	1.0	10	10	SOP-8
RF2436	Transmit/Receive Switch	100 to 2500	2.7 to 6	1.5	0.5	24	n/a	SOT23-5

11 Transceivers

Part	Description	Frequency (MHz)	V _{CC} (Volts)	I _{CC-RX} (mA)	I _{CC-TX} (mA)	TX Power (dBm)	RX Sensitivity (dBm)	Package
RF2514	VHF/UHF Transmitter	100 to 1000	2.2 to 3.6	n/a	8	+1	n/a	QFN-16
RF2516	VHF/UHF Transmitter	100 to 500	2.25 to 3.6	n/a	10.5	+10	n/a	SSOP-16
RF2942	UHF Quadrature Modulator and Transmitter	902 to 928	2.0 to 3.6	n/a	225	+23	n/a	QFN-16
RF2948B	2.4GHz Spread-Spectrum Transceiver	45 to 500	2.7 to 3.6	65	95	+6	n/a	QFN-32
RF2968	Bluetooth™ Transceiver	2400 to 2500	2.5 to 3.6	38	34	+4	-80	QFN-32

14 GPS Products

Part	Description	Configuration
ACS-X001	Global Positioning System Chipset	Chipset