

What's New...

RFMD® offers more than a dozen new products to its Product Selection Guide, ranging from Amplifiers, Power ICs, Switches, Gain Blocks, and PAs, to Smart Energy AMI/ZigBee Modules, WiFi Front End Modules, Attenuators, and VCOs.

Multi-Stage Low Noise Amplifiers

	Freq Range (Min) (MHz)	Freq Range (Max) (MHz)	Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	V _{cc} (V)	I _{cc} (mA)	Package	Part Number
NEW	1710	1785	37.5	0.65	24.0	39.5	5	290	MCM	RFLA1038

High Power GaN Power IC

	Freq Range (Min) (MHz)	Freq Range (Max) (MHz)	Gain (dB)	OP3dB (dBm)	Power Added Efficiency (%)	V _{cc} (V)	I _{cc} (mA)	Package	Package	Part Number
NEW	DC	10000	21.4	36.3	60.0	28	44.4	Die on carrier	CW Instantaneous BW	RFHA1101
NEW	DC	10000	21.4	36.3	60.0	28	44.4	Die	CW Instantaneous BW	RFHA1101D
NEW	1200	1400	15.0	—	55.0	36	440	Flanged Ceramic 2 Pin	—	RFHA1023

Switches (Packaged)

	Switch Type	Freq Range (Min) (MHz)	Freq Range (Max) (MHz)	Insertion Loss (dB)	Isolation (dB)	V _{cc} (V)	Package	Part Number
NEW	SP8T	0	2500	0.7	27	2.7	QFN	RF1480
NEW	DPDT	10	6000	0.65	33	3	QFN	RFSW6223

SiGe Gain Blocks (SGA Series)

	Freq Range (Min) (MHz)	Freq Range (Max) (MHz)	Small Signal Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	V _{cc} (V)	I _{cc} (mA)	Package	Part Number
NEW	DC	4500	4.6	3.1	13.0	26.9	3.2	45	Die	SGA4300

GaN Wideband Pulsed PA

	Freq Range (Min) (MHz)	Freq Range (Max) (MHz)	Gain (dB)	V _{cc} (V)	I _{cc} (mA)	Package	Part Number
NEW	2900	3400	13.0	65	440	Flanged Ceramic 2-Pin	RF3928B

Low Noise Amplifier + Switch

	Freq Range (Min) (MHz)	Freq Range (Max) (MHz)	Switch Type	LNA Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Insertion Loss (dB)	V _{CC} (V)	I _{CC} (mA)	Package	Part Number
NEW	4900	5850	SPDT	13	2.3	5	19	0.8	3.75	15	QFN	RF5540

Smart Energy AMI/ZigBee Transmit & Receive Module

	Freq Range (Min) (MHz)	Freq Range (Max) (MHz)	Gain (dB)	NF (dB)	OIP3 (dBm)	OP1dB (dBm)	V _{CC} (V)	I _{CC} (mA)	Package	Part Number
NEW	433	470	16.5	0.7	28.0	38.0	3.6	650	Module	RF6504
NEW	902	928	16.5	1	25.5	35.5	3.6	215	Module	RF6599

2.4GHz WiFi Front End Module

	Functionality	11g/n P _{OUT} (dBm)	11b P _{OUT} (dBm)	11b/g/n Gain (dB)	11g/n EVM (%)	V _{CC} (V)	I _{CC} (mA)	Package	Part Number
NEW	11b/g/n WiFi applications	17.0	21.5	33.0	2.4	3.6	220	QFN	RFFM3482E

Temperature Compensating Attenuator

	Freq Range (Min) (MHz)	Freq Range (Max) (MHz)	Gain (dB)	Gain Slope (dB/°C)	IP1dB (dBm)	IIP3 (dBm)	V _{CC} (V)	Package	Part Number
NEW	50	4000	8	0.043-0.066	30	55	5.0	QFN	RFSA4013
NEW	50	4000	8	0.045-0.066	30	55	3.3	QFN	RFSA4023

Laminate VCOs

	Freq Range (Min) (MHz)	Freq Range (Max) (MHz)	V _{TUNE} (Min) (V)	V _{TUNE} (Max) (V)	P _{OUT} (dBm)	2nd Harmonic (dBc)	V _{SUPPLY} (V)	Package	Part Number
NEW	798	858	1.4	4.85	4	-15	5.25	MCM	RFVC9750
NEW	1052	1086	1.0	3.9	0	-10	7.4	MCM	RFVC9752

