



## Cellular, PCS, Multi-Mode and GPS-Capable Solutions

### Optimum Technology Matching® Strategy

RFMD's success has been driven in part by our deep design expertise in multiple semiconductor process technologies—AlGaAs HBT, SiGe, BiCMOS, CMOS and GaAs MESFET, as well as our newest processes, GaN, InGaP HBT and GaAs pHEMT—and our Optimum Technology Matching® (OTM) strategy. Through OTM, RFMD® engineers match the appropriate process technology and device technology to each product according to the best possible combination of price and performance.

RFMD® provides highly integrated, high-performance CDMA front-end receiver solutions for cellular, PCS, multi-mode and GPS-capable applications for markets in North America, South America, Korea, Japan and China. Recognized as the world's leading supplier of RFIC components and solutions to major handset manufacturers, our applications meet CDMA demands by utilizing innovative designs featuring low current, high integration and state-of-the-art packaging. Each front-end solution features stepped gain control, adjustable bias current and adjustable IIP3 for optimal design flexibility. Manufactured in advanced SiGe BiCMOS and GaAs HBT process technologies, these highly linear solutions offer superior performance and increased functionality at very competitive prices. RFMD backs each of its products with dedicated customer service, application and design support. In addition to our front-end receivers, we offer complete RF solutions using multiple fabrication processes for all leading digital cellular standards including WCDMA, TDMA, GSM/GPRS and EDGE.

Part Number	Description	Frequency Range (MHz)	Gain (dB)	Noise Figure (dB)	IIP3 (dBm)	Package	Technology	Applications
RF2366	PCS LNA/Driver	1000-2500	12.5 (LNA)	1.4 (LNA)	+14 (LNA)	SOT23-6	GaAs HBT	PCS
RF2369	Cellular LNA/Driver	824-894	15.5 (LNA)	1.6 (LNA)	+11.5 (LNA)	SOT23-6	GaAs HBT	Cellular
RF2496*	Tri-band Quad-mode CDMA/GPS LNA/Mixer	800-900 1500-2200 1575	15 (cell) 16 (PCS) 18.5 (GPS)	1.1 (cell) 1.5 (PCS) 1.5 (GPS)	+11 (cell) +8 (PCS) +3 (GPS)	QFN 32-pin 5x5mm	SiGe BiCMOS	Cellular/PCS/AMPS/GPS
RF2498*	Tri-band Quad-mode CDMA/GPS LNA/Mixer	800-900 1500-2200 1575	15 (cell) 15.5 (PCS) 19 (GPS)	1.1 (cell) 1.5 (PCS) 1.3 (GPS)	+11 (cell) +12 (PCS) +5 (GPS)	QFN 32-pin 5x5mm	SiGe BiCMOS	Cellular/PCS/AMPS/GPS
RF2860	PCS LNA/Mixer	1575-2170	28 (cascade)	1.8 (cascade)	+8 (LNA)	QFN 16-pin 3x3mm	SiGe BiCMOS	PCS/GPS/IMT-2000/2.4GHz
RF2861	Cellular LNA/Mixer	463-467 800-900	25.5 (cascade)	2.1 (cascade)	+11 (LNA)	QFN 16-pin 3x3mm	SiGe BiCMOS	Cell/JCDMA/CDMA 450/AMPS
RF2870	Cellular LNA/Mixer	800-900	25 (cascade)	1.9 (cascade)	+11.5 (LNA)	QFN 16-pin 3x3mm	SiGe BiCMOS	Cell/JCDMA/AMPS
RF2878	Cellular/PCS/LNA/Driver	150-2500	20 (cell LNA) 13 (PCS LNA)	1.4 (cell LNA) 1.3 (PCS LNA)	+6 (cell LNA) +16.5 (PCS LNA)	SOT23-5	GaAs HBT	Apps Cellular/PCS
RF2890	Dual-band CDMA cellular/GPS Mixer	800-900 1575	23.5 (cell cascade) 32.5 (GPS cascade)	1.9 (cell cascade) 1.8 (GPS cascade)	+11 (cell LNA) +6 (GPS LNA)	QFN 24-pin 4x4mm	SiGe BiCMOS	Cell/JCDMA/AMPS/GPS
RF2895	Dual-band PCS/GPS LNA Mixer	1500-2200 1575	26 (pcs cascade) 33 (GPS cascade)	2.1 (pcs cascade) 1.7 (PCS cascade)	+10 (PCS LNA) +5 (GPS LNA)	QFN 24-pin 4x4mm	SiGe/GPS/PCS BiCMOS	

\*Differ in gain control method for IS-98 IMD tests

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