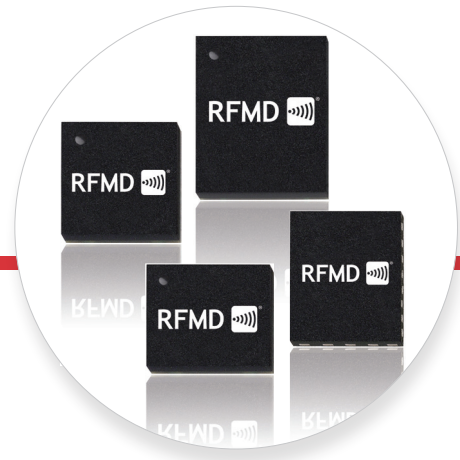


RFMD®

3G Product Portfolio: Overview

With the proliferation of data services, mobile device original equipment manufacturers (OEMs) are presented with new, unprecedented challenges and demands from both mobile operators and consumers. Mobile operators require customized handsets and mobile devices to meet various consumer roaming needs, and the issue of rapid customization has fallen to OEMs who must configure these complex 3G devices to function in multiple frequency bands and operating modes (GSM, EDGE, WCDMA, HSPA+, with LTE on the horizon). As the number of bands and band combinations grow, frequency flexibility and signal routing, at the platform level, has increased in importance as critical parameters for 3G mobile device development.

Additionally, aggressive consumer demand for feature-rich 3G multimode handsets and the data services they offer has emphasized reduced power consumption and form factor size as key parameters for these mobile devices. Radios in the handset have grown more complex and numerous, causing battery drain such that reduced talk time continues to be a major issue facing manufacturers. In parallel, consumers have dictated that the size and talk time of these new 3G devices are consistent with the 2G and 2.5G handsets with which they have become accustomed.



This sets up an unprecedented challenge for mobile device OEMs and their system platform providers. Having anticipated this challenge, RFMD® designed a broad portfolio of high-performance power amplifier components and switch-based components that offer frequency flexibility, ease of implementation, size reduction, and low current consumption.

RFMD provides the critical RF components - 3G power amplifiers, 2G power amplifiers, switch components, and power management - all designed to work seamlessly together. RFMD's platforms reduce time to market while enabling handset and mobile device OEMs to address demanding market and performance needs.

SPECIFICATIONS

Components	Part Number	Description	Package (dim. in mm)
WCDMA / HSPA+ Power Amplifier Components	RF7200 Band 1, RF7206 Band 2	Power Amplifier Module	3.0 x 3.0
	RF7203 Band 3, RF7211 Band 11	Power Amplifier Module	3.0 x 3.0
	RF7201 Bands 1/8, RF7202 Bands 2/5, RF7205 Bands 1/5	Power Amplifier Module	4.0 x 5.0
GPRS/EDGE Power Amplifier Components	RF3189	Linear EDGE Power Amplifier Module	5.0 x 5.0
	RF3225	Large Signal Polar Power Amplifier Module	5.0 x 5.0
	RF3171	Quad-band Polar EDGE, 2 UMTS Ports	6.0 x 7.0
	RF3230	Quad-band GPRS, 2 UMTS Ports	6.0 x 7.0
	RF3232	Quad-band GPRS, 2 UMTS Ports	6.6 x 5.2
Switch-Based Components	RF3231	Quad-band GPRS, 1 UMTS Port	6.6 x 5.2
	RF1193	Single-pole Ten-throw (SP10T)	3.0 x 3.8
	RF1194	Single-pole Nine-throw (SP9T)	4.5 x 4.5
	RF1196	Single-pole Nine-throw (SP9T)	4.5 x 4.5

Order RFMD products online at www.rfmd.com/rfmdExpress.

For sales or technical support, contact your authorized local sales representative (see www.rfmd.com/globalsales).

Register to receive RFMD's latest product releases with our Email Component Alerts at www.rfmd.com/emailalert.

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