Proposed



RFFM8204

2.4GHz TO 2.5GHz WiFi FRONT END MODULE

Package Style: QFN, 16-pin, 2.5mmx2.5mmx0.45mm



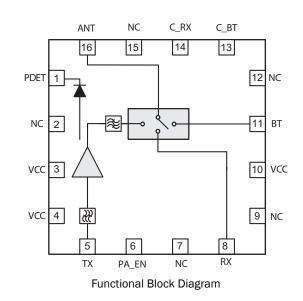
RFMD I RFFM8204

Features

- P_{OUT} = 19dBm 11g OFDM 2.5% EVM
- P_{OUT} = 21dBm Meeting 11b Spec Mask
- Small Size
- High Performance FEM
- Excellent Linearity
- Input and Output Matched to 50Ω; High Level of Integration
- Supports Wide Voltage Supply Range
- Able to Meet Demands of Evolving WiFi Market
- Low Height Package, Suited for SiP and CoB Designs

Applications

- Cellular Handsets
- Mobile Devices
- Tablets
- Consumer Electronics
- Gaming
- Netbooks/Notebooks
- TV/Monitors/Video
- Smart Energy



Product Description

The RFFM8204 provides a complete integrated solution in a single Front End Module (FEM) for WiFi 802.11b/g/n and Bluetooth[®] systems. The ultrasmall form factor and integrated matching greatly reduces the number of external components and layout area in the customer application. This simplifies the total Front End solution by reducing the bill of materials, system footprint, and manufacturability cost. The RFFM8204 integrates a 2.4GHz Power Amplifier (PA), power detector coupler for improved accuracy, SP3T Switch, and some filtering for harmonic rejection. The device is provided in 2.5mm x 2.5mm x 0.45mm 16-pin QFN package. This module meets or exceeds the RF Front End needs of IEEE 802.11b/g/n WiFi RF systems.

Ordering Information

RFFM8204SBStandard 5-piece sample bagRFFM8204Standard 25-piece sample bagRFFM8204SRStandard 100-piece reelRFFM8204TR7Standard 2500-piece reelRFFM8204PCK-410Fully assembled evaluation board with 5-piece bag

Optimum Technology Matching® Applied

🗌 GaAs HBT	□ SiGe BiCMOS	🗹 GaAs pHEMT	🗌 GaN HEMT
□_GaAs MESFET	Si BiCMOS	Si CMOS	RF MEMS
🗹 InGaP HBT	SiGe HBT	🗌 Si BJT	LDMOS





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Please contact RFMD Technical Support at (336) 678-5570 for more information.