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RFFM4203

3.0V TO 5.0V, 2.4GHz TO 2.5GHz 802.11b/g/n WiFi FRONT END MODULE

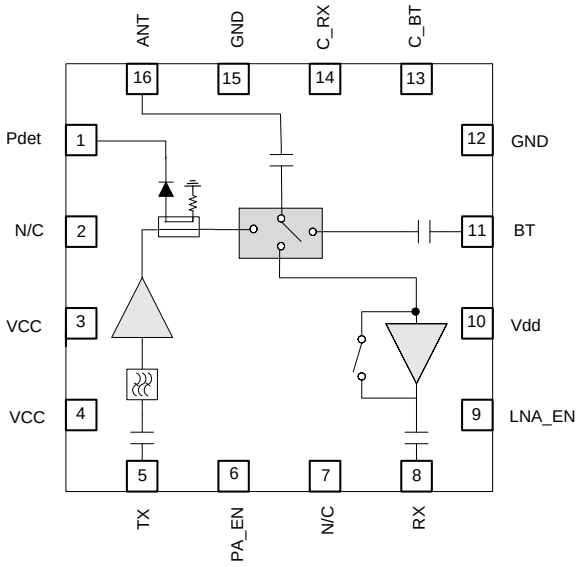
Package: Laminate, 16-pin, 3mm x 3mm x 0.975mm

Features

- Integrated 2.4GHz to 2.5GHz b/g/n Amplifier, LNA with bypass mode, SP3T Switch, and Power Detector Coupler
- Single Supply Voltage 3.0V to 5V
- P_{OUT} = 21.5dBm, 5V <3% Dynamic EVM
- P_{OUT} = 19dBm, 3.3V <3% Dynamic EVM

Applications

- IEEE802.11b/g/n WiFi Applications
- 2.4GHz to 2.5GHz ISM Band Solutions
- Portable Battery-Powered Equipment
- WiFi Access Points, Gateways, and Set Top Boxes



Functional Block Diagram

Product Description

The RFFM4203 provides a complete integrated solution in a single Front End Module (FEM) for WiFi 802.11b/g/n and Bluetooth® systems. The ultra-small 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 RFFM4203 integrates a 2.4GHz to 2.5GHz Power Amplifier (PA), Low Noise Amplifier (LNA) with bypass mode, power detector coupler for improved accuracy, and some filtering for harmonic rejection. The device is provided in a 3mm x 3mm x 1.0mm, 16-pin package. This module meets or exceeds the RF Front End needs of IEEE 802.11b/g/n WiFi RF systems.

Ordering Information

RFFM4203SB	5-Piece sample bag
RFFM4203SQ	25-Piece sample bag
RFFM4203SR	100-Piece reel
RFFM4203TR7	2500-Piece reel
RFFM4203PCK-410	RFFM4203 Eval Board with 5-piece bag

Optimum Technology Matching® Applied

☐ GaAs HBT	☐ SiGe BiCMOS	☑ GaAs pHEMT	☐ GaN HEMT
☐ GaAs MESFET	☐ Si BiCMOS	☐ Si CMOS	☐ BiFET HBT
☑ InGaP HBT	☐ SiGe HBT	☐ Si BJT	

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