

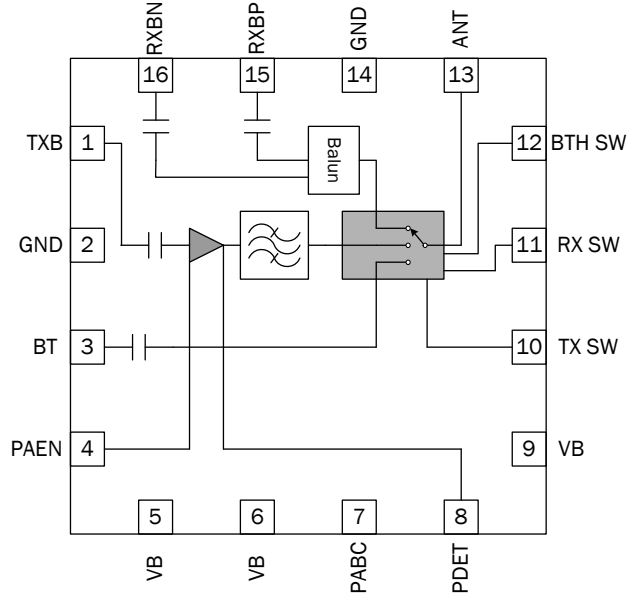


**Features**

- Single Voltage Supply 3.3V to 4.2V
- Integrated 2.5GHz b/g/n Amplifier, RX Balun and TX/RX Switch and Directional Power Detector
- P<sub>OUT</sub> = 17 dBm, 11g, OFDM at <2.4% EVM and P<sub>OUT</sub> = 21.5 dBm, Meeting 11b Mask

**Applications**

- Automotive WiFi



Functional Block Diagram

**Product Description**

The RFFM3482Q FEM is a single-chip integrated front end module (FEM) for automotive WiFi. The FEM addresses the need for aggressive size reduction for a typical 802.11b/g/n front end design and greatly reduces the number of components outside of the core chipset. The front end module has integrated b/g/n power amplifier, directional power detector, RX balun, and some TX filtering. It is also capable of switching between WiFi RX, WiFi TX and BTH RX/TX operations. The device is provided in a 3mm x 3mm x 0.45mm, 16-pin package. This module meets or exceeds the RF front end needs of 802.11b/g/n WiFi RF systems.

**Ordering Information**

- RFFM3482QTR13X Standard 1 piece
- RFFM3482QSQ Standard 25 piece bag
- RFFM3482QSR Standard 100 piece bag
- RFFM3482QTR7 Standard 2500 piece reel
- RFFM3482QPCK-41X Fully Assembled Evaluation Board and 5 loose sample pieces

**Optimum Technology Matching® Applied**

- |                                      |                                      |  |                                    |
|--------------------------------------|--------------------------------------|--|------------------------------------|
| <input type="checkbox"/> GaAs HBT    | <input type="checkbox"/> SiGe BiCMOS | <input checked="" type="checkbox"/> GaAs pHEMT | <input type="checkbox"/> GaN HEMT  |
| <input type="checkbox"/> GaAs MESFET | <input type="checkbox"/> Si BiCMOS   | <input type="checkbox"/> Si CMOS               | <input type="checkbox"/> BiFET HBT |
| <input type="checkbox"/> InGaP HBT   | <input type="checkbox"/> SiGe HBT    | <input type="checkbox"/> Si BJT                | <input type="checkbox"/> LDMOS     |

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**RFFM3482Q**

*Proposed*



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