RFMD
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Proposed

RF5511

3.3V, SWITCH AND LNA FRONT END SOLUTION

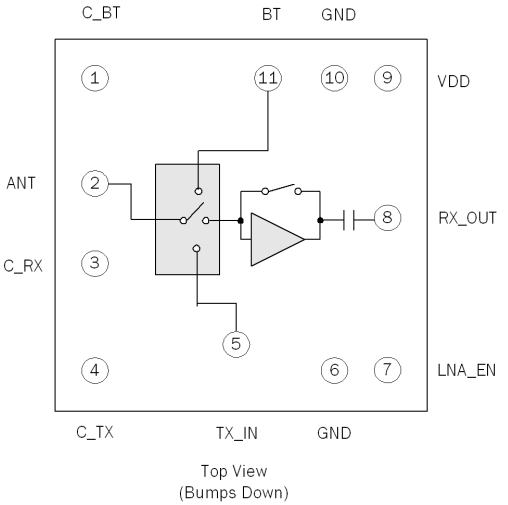
Package Style: FLIP CHIP, 11 PIN, 1x1x0.4mm

Features

- Single Die Front End Solution
- Single Supply Voltage 3.0V to 4.5V
- Integrated SP3T Switch and LNA with Bypass
- Typical gain is 11dB and 1.9dB NF in RX Mode Pin-to-Pin

Applications

- IEEE802.11b/g WLAN Applications
- 2.5GHz ISM Band Applications
- Portable Battery-Powered Equipment
- WLAN/Bluetooth™ Combo Devices



Functional Block Diagram

Product Description

The RF5511 is a front end solution for high-performance WLAN applications in the 2.4GHz to 2.5GHz ISM band. The RF5511 addresses the need for size reduction for a typical IEEE802.11b/g front end design and reduces the number of components outside of the core chipset. The RF5511 has an integrated SP3T Switch and a Low Noise Amplifier. It is capable of switching between WLAN RX, WLAN TX, and *Bluetooth*™ RX/TX operations. The RF5511 is provided in a 1mmx1mmx0.4mm, Flip Chip die.

Ordering Information

RF5511	3.3V, Switch and LNA Front End Solution
RF5511PCK-41X	Fully Assembled Evaluation Board

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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