

RF5836 4.9GHz TO 5.85GHz 802.11a/n Front End Module

RFMD's new RF5836 provides a complete integrated solution in a single front end module (FEM) for WiFi 802.11a/n systems. The ultra-small form factor and integrated matching minimizes the layout area in the customer's application and greatly reduces the number of external components. The RF5836 integrates a power amplifier (PA), single-pole double-throw switch (SP2T), and a power detector coupler for improved accuracy. The device is provided in a 3mm x 3mm x 0.5mm, 16-pin package. This module meets or exceeds the RF front end needs of IEEE 802.11a/n WiFi RF systems.



Features

- Single Supply Voltage 3.0V to 4.8V
- Low Control Voltage >1.6V
- Integrated 5GHz Amplifier, SPT2T Tx/Rx Switch, and Power Detector Coupler
- POUT= 15.5dBm (11a, 54Mbps at 4% EVM) • POUT= 14.5dBm (11n, 65Mbps at 2.8% EVM)
- Low-Height Package, Suited for SiP and CoB Designs Applications
- Cellular Handsets
- Mobile Devices
- Tablets

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