

# ATF61502-11

## 5 GHz Power Amplifier



16 Pin 3×3 mm QFN Package

### Product Overview

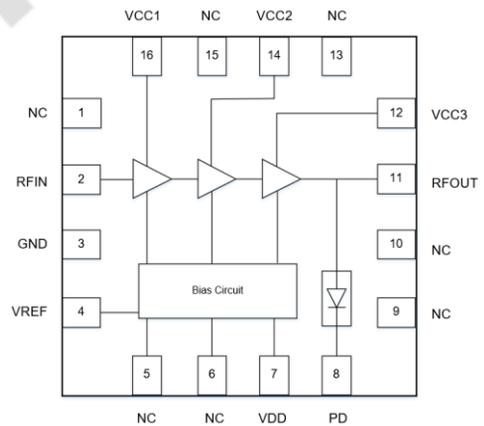
The ATF61502-11 is power amplifier (PA) designed for 5.1~5.9GHz frequency range, compatible with 802.11ax/802.11ac wireless LAN system. The device is manufactured based on advanced InGaP/GaAs HBT (Hetero-junction Bipolar Transistor) process. The amplifier consists of 3 gain stages with inter-stage matching, build-in input matching network, and a power detector for close loop power control operation.

The device is provided in a tiny industry standard 16-lead surface mountpackage QFN 3mmX3mm.

### Key Features

- Frequency Range: 5.15-5.925 GHz
- Supply voltage: 5V
- Small signal gain: 33 dB
- Psat: 34 dBm
- Output power
  - MCS11, +25dBm, -40 dB DEVM
  - MCS9, +27 dBm, -35 dB DEVM
  - MCS7, +28 dBm, -30 dB DEVM
- Small QFN (16-pin, 3 × 3 mm) package (MSL3, 260 °C per JEDEC J-STD-020)

### Function Block Diagram



ATF61502-11 Block Diagram

### Applications

- High Power WLAN applications
- IEEE 802.11ax Wireless LAN System
- 5GHz ISM Band Application
- 5GHz Cordless Phones