

Preliminary DATA SHEET

GDQ6433A: 5900 to 6400 MHz 33dBm LTE/WiFi Power Amplifier

Product overview

GDQ6433A is a three-stage HBT general purpose power amplifier working at 5900~6400 MHz. The input and output are both internally matched to 50 Ohm, easily designed for general purpose pulse and CW signal wireless application.

Key Features

- 5900MHz – 6400 MHz
- 25dB Gain
- 30 % PAE at peak power @6.2GHz
- 33dBm peak power, CW
- Input/output internally matched to 50Ohm
- Compact and low-cost 5 mm x 5 mm QFN package (MSL3, 260 °C per JEDEC J-STD-020)
- ESD Level: HBM 1000 V; CDM 1000V

Applications

- Wi-Fi Business Drone, Booster
- FDD and TDD wireless systems
- Active antenna array and massive MIMO
- Customer Premises Equipment (CPE)



Figure 1. 16 Pin 5 x 5 mm QFN Package

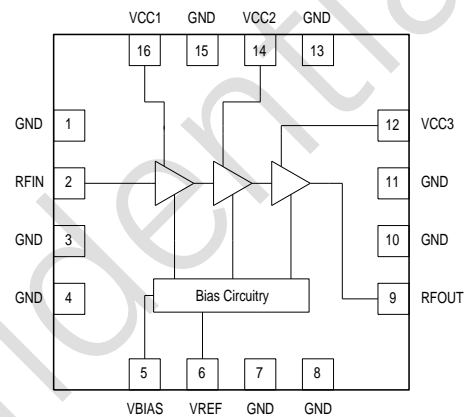


Figure 2. GDQ6433A Function Block Diagram

Ordering Information

Part No.	Description
GDQ6433A	5900-6400 MHz High efficiency PA, 7' Reel with 1500 pcs