

Preliminary DATA SHEET

GGQ1033: 300 to 1200MHz UHF 2Watts High Power Amplifier

Product overview

GGQ1033 is a two-stage HBT high power amplifier for indoor/outdoor wireless application such as RFID or Lora system application. It works for 900MHz and can deliver 33dBm output peak power with 31dB power gain, and excellent linearity. The GGQ1033 input port is internally matched 50ohm and integrated temperature compensation circuits within a tiny lead frame package.

Key Features

- 300MHz – 1200MHz
- 33dB Gain
- 50% PAE at 33dBm output power
- 33dBm output peak power
- Integrated temperature compensation circuits
- Compact and low-cost 3mm x 3mm QFN package (MSL3, 260°C per JEDEC J-STD-020)
- ESD Level: HBM 1200V; CDM 1200V
- ROHS compatible

Applications

- wireless systems
- Power amplifier Module
- Customer Premises Equipment (CPE)
- Automatic meter readers
- RFID Readers

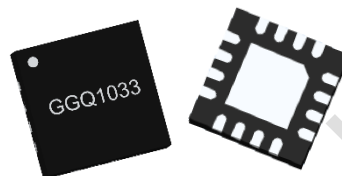


Figure 1. 16pin 3 x 3 mm QFN Package

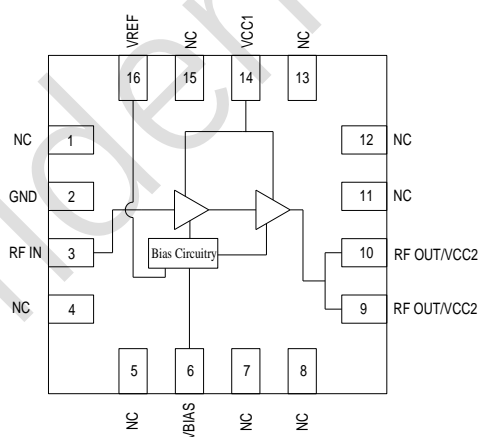


Figure 2. GGQ1033 Function Block Diagram

Ordering Information

Part No.	Description
GGQ1033	300-1200MHz 4W linear PA, 13' Reel with 4000pcs