

# GG8005: DC to 6000MHz HBT Ultra-Wideband Amplifier

## Product overview

GG8005 is a HBT wideband amplifier for wireless application. It covers DC~6000 MHz with flat gain. This PA can deliver 5dBm linear output power with LTE signal, ACPR below -50dBc and 20dB power gain for 2.6GHz.

## Key Features

- DC – 6000MHz
- 20dB Gain
- 19dBm peak power
- 75mA Icq
- Below -50dBc ACPR at 5dBm output power
- Integrated temperature compensation circuits
- Standard SOT-89 package (MSL3, 260°C per JEDEC J-STD-020)
- ESD Level: HBM 1000V; CDM 1000V
- ROHS compatible

## Applications

- FDD and TDD 2G/3G/4G LTE/5G NR systems
- 3GPP LTE band and 5G NR n2 n3 for base-station application
- Driver amplifier for micro-base and macro-base stations
- Active antenna array and massive MIMO
- Customer Premises Equipment (CPE)
- Wideband wireless application
- Instruments

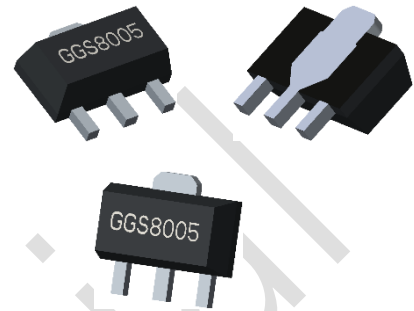


Figure 1. SOT89 Package

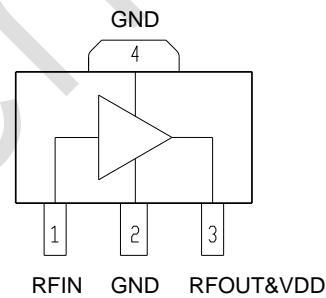


Figure 2. GGS8005 Function Block Diagram

## Ordering Information

Part No.	Description
GG8005	DC-6000MHz HBT Wideband PA, 2500pcs Tape and Reel.