

SKY85405-211

High-Power (+19 dBm) 802.11ac WLAN Power Amplifier with Integrated Power Detector

Skyworks SKY85405-211 is a 5 GHz Microwave Monolithic Integrated Circuit (MMIC) power amplifier (PA) with superior output power, linearity, and efficiency. These features make the SKY85405-211 ideal for Wireless Local Area Network (WLAN IEEE 802.11ac) applications in Power over Ethernet (PoE) devices.

The device is fabricated using Indium Gallium Phosphide (InGaP) Heterojunction Bipolar Transistor (HBT) technology. The device is internally matched and mounted in a 20-pin, 4 x 4 mm Quad Flat No-Lead (QFN) surface-mount technology (SMT) package, which allows for a highly manufacturable low-cost solution.

TALK TO SALES



FEATURES

- ✓ Linear output power of +19 dBm for IEEE 802.11ac, MCS9, HT80, EVM < 1.8% @ 3.3 V
- ✓ High gain of 31 dB @ 3.3 V
- ✓ Power shutdown mode
- ✓ Superior gain flatness
- ✓ Fully matched at RF input/output ports
- ✓ Load insensitive power detector
- ✓ Small footprint QFN (20-pin, 4 x 4 mm) SMT package (MSL3, 260 °C per JEDEC J-STD-020)

SPECIFICATIONS

Frequency Range (GHz)	5.15-5.93
Test Frequency (GHz)	TBD
Gain Typ. (dB)	31
Power Added Efficiency (%)	TBD
OIP3 (dBm)	
P _{1dB} (dBm)	28
V _{CC} (V)	3.3
Quiescent Current Typ. (mA)	170

Noise Figure Typ. (dB)

TBD

Package

QFN, 20-pin

Package (mm)

4 x 4

SALES HELP

TECHNICAL HELP

FIND YOUR SALES REPRESENTATIVE AND DISTRIBUTOR

Consult with your Skyworks sales representative or distributor to find the best solution for your design.



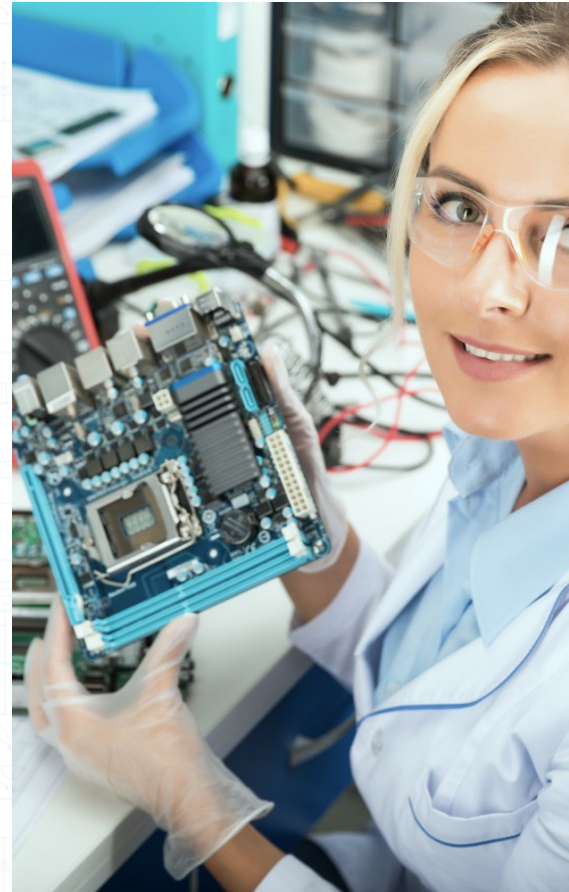
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