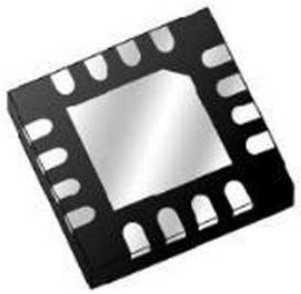
HMC6981LS6

Data Sheet

RF Amplifier, GaAs PHEMT 2 W, 26 dB Gain, 15 GHz to 20 GHz, 5 V to 6 V / 1100 mA Supply, QFN-16

Manufacturers	Analog Devices, Inc
Package/Case	16-LCQFN
Product Type	RF Amplifiers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC6981LS6 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The HMC6981 is a four-stage GaAs pHEMT MMIC Power Amplifier with an integrated temperature compensated on-chip Power Detector, which operates between 15 and 20 GHz. The amplifier provides 26 dB of gain, +34.5 dBm of saturated output power, and 25% PAE from a +6V supply. With an excellent output IP3 of +43.5 dBm, the HMC6981 is ideal for linear applications such as high capacity point-to-point or point-to-multi-point radios or SATCOM applications demanding +34.5 dBm of efficient saturated output power. The HMC6981 is housed in a ceramic 6 x 6 mm high frequency air cavity package which exhibits low thermal resistance and is compatible with high volume surface mount manufacturing techniques. The RF I/Os are internally matched to 50 Ohms.

Features

P1dB Output Power: +33.5 dBm

25% PAE @ +34.5 dBm Pout

Gain: 26 dB

Output IP3: +43.5 dBm

50 Ohm Matched Input/Output

Ceramic 6x6 mm High Frequency Air Cavity Package

Application

Point-to-Point Radios

Point-to-Multi-Point Radios

SATCOM

Related Products

[HMC3653LP3BE]

Analog Devices, Inc

QFN-12

[HMC441LP3E]

Analog Devices, Inc

QFN-16

[HMC253AQS24]

Analog Devices, Inc

24-SSOP (0.154, 3.90mm Width)

[HMC948LP3E]

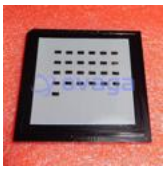
Analog Devices, Inc

LP3

[HMC358MS8GE]

Analog Devices, Inc

MSOP-8



[HMC490]

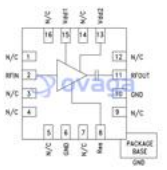
Analog Devices, Inc

SMD

[HMC453ST89E]

Analog Devices, Inc

ST89E



[HMC618ALP3E]

Analog Devices, Inc

QFN-16