
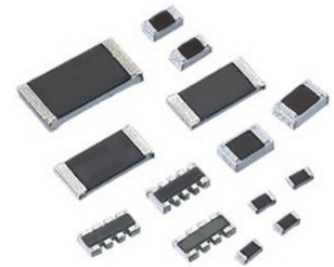


RF Amp Single Power Amp 20GHz 5.5V 4-Pin Die Tray

Manufacturer:	Analog Devices, Inc
Package/Case:	SMD
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The HMC451 is a general purpose GaAs PHEMTMMIC Medium Power Amplifier which operates between 5 and 20 GHz. The amplifier provides 22 dB of gain, +22 dBm of saturated power at 24% PAE from a +5V supply. Consistent gain and output power across the operating band make it possible to use a common driver/LO amplifier approach in multi-radio bands. The HMC451 amplifier can easily be integrated into Multi-Chip-Modules (MCMs) due to its small (1.61mm²) size, single supply operation and DC blocked I/Os. All data is tested with the chip in a 50 Ohm test fixture connected via 0.025mm (1 mil) diameter wire bonds of minimal length <0.31mm (<12 mils).

Key Features

- Gain: 22 dB
- Saturated Output Power: +22 dBm @ 24% PAE
- Output IP3: +30 dBm
- Single Positive Supply: +5V @ 127mA
- 50 Ohm Matched Input/Output
- Small Size: 1.27 x 1.27 x 0.1 mm

Application

- Point-to-Point Radios
- Point-to-Multi-Point Radios & VSAT
- Test Equipment & Sensors
- LO Driver for HMC Mixers
- Military & Space

Recommended For You

HMC624ALP4E

Analog Devices, Inc
QFN24

HMC952ALP5GE

Analog Devices, Inc
QFN

HMC361S8GE

Analog Devices, Inc
SOP-8

HMC253AQS24E

Analog Devices, Inc

QFN

HMC346MS8G

Analog Devices, Inc

MSOP8

HMC1119LP4ME

Analog Devices, Inc

QFN

HMC659LC5

Analog Devices, Inc

QFN

HMC909LP4E

Analog Devices, Inc

QFN

HMC564LC4

Analog Devices, Inc

QFN

HMC1021LP4E

Analog Devices, Inc

QFN

HMC241AQS16E

Analog Devices, Inc

SSOP16

HMC424LP3E

Analog Devices, Inc

QFN

HMC662LP3E

Analog Devices, Inc

QFN

HMC8038LP4CE

Analog Devices, Inc

QFN16

HMC363S8G

Analog Devices, Inc

SOP8