


RF Amp Single LNA 20GHz 9V 6-Pin Die Tray

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



Images are for reference only

[Inquiry](#)

General Description

The HMC460 is a GaAs MMIC pHEMT Low Noise Distributed Amplifier die which operates between DC and 20 GHz. The amplifier provides 14 dB of gain, 2.5 dB noise figure and +16 dBm of output power at 1 dB gain compression while requiring only 60 mA from a +8V supply. The HMC460 amplifier can easily be integrated into Multi-Chip-Modules (MCMs) due to its small size. All data is with the chip in a 50 Ohm test fixture connected via 0.025mm (1 mil) diameter wirebonds of minimal length 0.31mm (12 mils).

Key Features

- Noise Figure: 2.5 dB @ 10 GHz
- Gain: 14 dB @ 10 GHz
- P1dB Output Power: +16 dBm @ 10 GHz
- Supply Voltage: +8V @ 60 mA
- 50 Ohm Matched Input/Output
- Die Size: 3.12 x 1.63 x 0.1 mm

Application

- Telecom Infrastructure
- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation

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