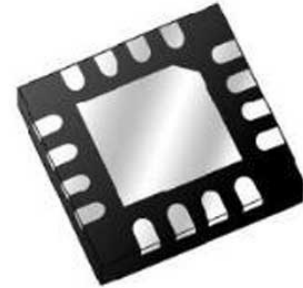


InGaP HBT GAIN BLOCK MMIC AMPLIFIER, DC - 6 GHz

Manufacturers	Analog Devices, Inc
Package/Case	QFN-16
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HMC311LP3 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC311LP3(E) is a GaAs InGaP Heterojunction Bipolar Transistor (HBT) Gain Block MMIC SMT DC to 6 GHz amplifiers. This 3x3mm QFN packaged amplifier can be used as either a cascadable 50 Ohm gain stage or to drive the LO of HMC mixers with up to +17 dBm output power. The HMC311LP3(E) offers 14.5 dB of gain and an output IP3 of +32 dBm while requiring only 56 mA from a +5V supply. The Darlington feedback pair used results in reduced sensitivity to normal process variations and yields excellent gain stability over temperature while requiring a minimal number of external bias components.

Features

P1dB Output Power: +15.5 dBm

Output IP3: +32 dBm

Gain: 14.5 dB

50 Ohm I/O's

16 Lead 3x3 mm SMT Package: 9mm²

Application

Cellular / PCS / 3G

Fixed Wireless & WLAN

CATV & Cable Modem

Microwave Radio

Related Products



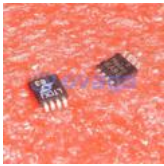
[HMC591LP5E](#)

Analog Devices, Inc
QFN32



[HMC589AST89E](#)

Analog Devices, Inc
SOT-89



[LTC6102HMS8#PBF](#)

Analog Devices, Inc
8MSOP



[HMC464LP5](#)

Analog Devices, Inc
QFN32



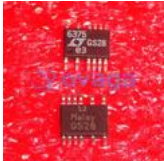
[HMC902LP3E](#)

Analog Devices, Inc
QFN-16



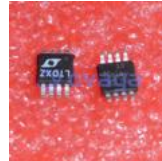
[LTC6102HMS8](#)

Analog Devices, Inc
MSOP8



[LT6375HMS#PBF](#)

Analog Devices, Inc
16MSOP



[LTC6102HMS8-1#PBF](#)

Analog Devices, Inc
8-MSOP