HMC311SC70

Data Sheet

InGaP HBT GAIN BLOCK MMIC AMPLIFIER, DC

Manufacturers	Analog Devices, Inc
Package/Case	SOP6
Product Type	Amplifier ICs
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for HMC311SC70 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The HMC311SC70(E) is a GaAs InGaP Heterojunction Bipolar Transistor (HBT) Gain Block MMIC SMT DC to 8 GHz amplifier. Packaged in an industry standard SC70, the amplifier can be used as either a cascadable 50 Ohm gain stage or to drive the LO port of HMC mixers with up to +15 dBm output power. The HMC311SC70(E) offers 15 dB of gain and an output IP3 of +30 dBm while requiring only 54 mA from a +5V supply. The Darlington topology 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

Gain: 15 dB

P1dB Output Power: +15 dB

Output IP3: +30 dBm

Cascadable 50 Ohm I/Os

Single Supply: +5V

Industry Standard SC70 Package

Application

Cellular / PCS / 3G

WiBro / WiMAX / 4G

Fixed Wireless & WLAN

CATV, Cable Modem & DBS

Microwave Radio & Test Equipment

Related Products

[HMC591LP5E]

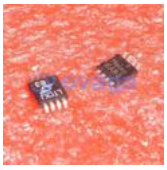
Analog Devices, Inc

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