

InGaP HBT Gain Block Amplifier, DC - 4 GHz

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOT-89
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HMC589AST89E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The HMC589AST89E is an InGaP HBT Gain Block MMIC SMT amplifier covering DC to 4 GHz and packaged in an industry standard SOT89E. The amplifier can be used as a cascadable 50 Ohm RF or IF gain stage as well as a LO or PA driver with up to +19 dBm P1dB output power for cellular/3G, FWA, CATV, microwave radio and test equipment applications. The HMC589AST89E offers 20 dB gain and +33 dBm output IP3 at 1 GHz while requiring only 82 mA from a single positive supply. The HMC589AST89E InGaP HBT gain block offers excellent output power and gain stability over temperature.

## Features

P1dB Output Power: +21 dBm

Gain: 21 dB

Output IP3: +33 dBm

Single Supply: +5V

Industry Standard SOT89E Package

## Application

Cellular / PCS / 3G

Fixed Wireless & WLAN

CATV, Cable Modem & DBS

Microwave Radio & Test Equipment

IF & RF Applications

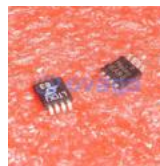


## Related Products



### [HMC591LP5E](#)

Analog Devices, Inc  
QFN32



### [LTC6102HMS8#PBF](#)

Analog Devices, Inc  
8MSOP



### [HMC464LP5](#)

Analog Devices, Inc  
QFN32



### [HMC902LP3E](#)

Analog Devices, Inc  
QFN-16



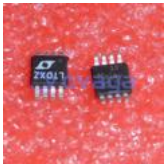
### [LTC6102HMS8](#)

Analog Devices, Inc  
MSOP8



### [LT6375HMS#PBF](#)

Analog Devices, Inc  
16MSOP



[LTC6102HMS8-1#PBF](#)

Analog Devices, Inc

8-MSOP



[LTC6081HMS8#PBF](#)

Analog Devices, Inc

8MSOP