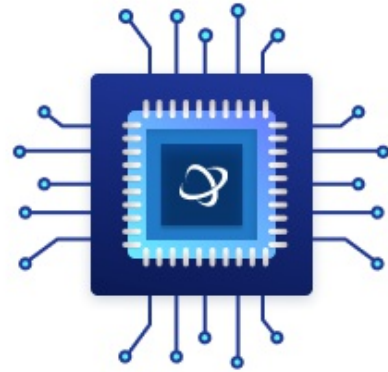


GaAs PHEMT MMIC POWER AMPLIFIER, DC - 20.0 GHz

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



Images are for reference only

Please submit RFQ for HMC559 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The HMC559 is a GaAs MMIC PHEMT Distributed Power Amplifier die which operates between DC and 20 GHz. The amplifier provides 14 dB of gain, +36 dBm output IP3 and +28 dBm of output power at 1 dB gain compression while requiring 400 mA from a +10V supply. Gain flatness is slightly positive from 4 to 20 GHz making the HMC559 ideal for EW, ECM and radar driver amplifier applications. The HMC559 amplifier I/O's are internally matched to 50 Ohms facilitating integration into Multi-Chip-Modules (MCMs). All data is taken with the chip connected via two 0.075mm (3 mil) ribbon bonds of minimal length 0.31mm (12 mils).

## Features

- P1dB Output Power: +28 dBm
- Gain: 14 dB
- Output IP3: +36 dBm
- Supply Voltage: +10V @ 400 mA
- 50 Ohm Matched Input/Output
- Die Size: 3.12 x 1.50 x 0.1 mm

## Application

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

## Related Products



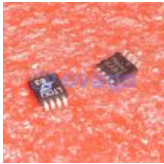
**HMC591LP5E**

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