

GaAs PHEMT MMIC 1 WATT POWER AMPLIFIER, 6.0 - 9.5 GHz

Manufacturers	Analog Devices, Inc
Package/Case	QFN-32
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC590LP5E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC590LP5E are high dynamic range GaAs pHEMT MMIC 1 Watt Power Amplifiers which operate from 6 to 9.5 GHz. The amplifier provides 21 dB of gain, +31 dBm of saturated power, and 23% PAE from a +7V supply. This 50 Ohm matched amplifier does not require any external components and the RF I/Os are DC blocked for robust operation. For applications which require optimum OIP3, I_{dd} should be set for 520 mA, to yield +40 dBm OIP3. For applications which require optimum output P1dB, I_{dd} should be set for 820 mA, to yield +30 dBm Output P1dB.

Features

Saturated Output Power: +31.5 dBm @ 23% PAE

Output IP3: +40 dBm

Gain: 21 dB

DC Supply: +7V @ 820 mA

50 Ohm Matched Input/Output

QFN Leadless SMT Packages, 25 mm²

Application

Point-to-Point Radios

Point-to-Multi-Point Radios

Test Equipment & Sensors

Military End-Use

Space

Related Products



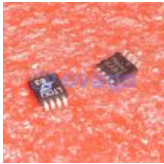
HMC591LP5E

Analog Devices, Inc
QFN32



HMC589AST89E

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SOT-89



LTC6102HMS8#PBF

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8MSOP



HMC464LP5

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