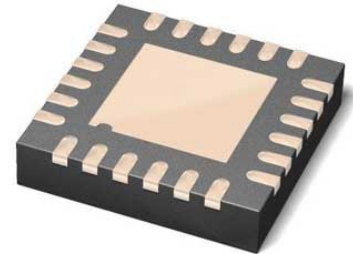


Analog Variable Gain Amplifier SMT, 5 - 12 GHz

Manufacturers	Analog Devices, Inc
Package/Case	24-Lead QFN (4mm x 4mm w/ EP)
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HMC996LP4E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC996LP4E is a GaAs PHEMT MMIC analog variable gain amplifier and / or driver amplifier which operates between 5 and 12 GHz. Ideal for microwave radio applications, the amplifier provides up to 18.5 dB of gain, output P1dB of up to +23 dBm, and up to +34 dBm of output IP3 at maximum gain, while requiring only 170 mA from a +5V supply. Gain control voltage pin (Vctrl) is provided to allow variable gain control up to 22 dB. Gain flatness is excellent making the HMC996LP4E ideal for EW, ECM and radar applications. The HMC996LP4E is housed in a RoHS compliant 4 x 4 mm QFN leadless package and is compatible with high volume surface mount manufacturing.

Features

Wide Gain Control Range: 22 dB

Single Control Voltage: -1 to -4.5V

Output IP3 @ Max Gain: +34 dBm

Output P1dB: +22 dBm

No External Matching

24 Lead 4x4 mm SMT Package: 16 mm²

Application

Point-to-Point Radio

Point-to-Multi-Point Radio

EW & ECM Subsystems

X-Band Radar

Test Equipment & Sensors

Related Products



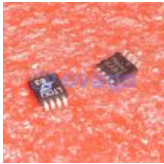
[HMC591LP5E](#)

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