

Oscillator VCO 2750MHz to 3000MHz 3V 24-Pin QFN EP SMD T/R

Manufacturers	Analog Devices, Inc
Package/Case	QFN-24
Product Type	RF Integrated Circuits
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HMC416LP4 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC416LP4(E) is a GaAs InGaP Heterojunction Bipolar Transistor (HBT) MMIC VCO with integrated resonator, negative resistance device, varactor diode, and buffer amplifier. Covering 2.75 to 3.0 GHz, the VCO's phase noise performance is excellent over temperature, shock, vibration and process due to the oscillator's monolithic structure. Power output is 4.5 dBm typical from a single supply of 3V @ 37 mA. The voltage controlled oscillator is packaged in a low cost leadless QFN 4x4 mm surface mount package.

Applications

Wireless Infrastructure

Industrial Controls

Test Equipment

Military

Features

Pout: +4.5 dBm

Phase Noise: -114 dBc/Hz @100 k Hz

No External Resonator Needed

Single Supply: 3V @ 37 mA

QFN Leadless SMT Package, 16 mm²

Application

Wireless Infrastructure

Industrial Controls

Test Equipment

Military



Related Products



[HMC3653LP3BE](#)

Analog Devices, Inc
QFN-12



[HMC253AQS24](#)

Analog Devices, Inc
24-SSOP (0.154, 3.90mm Width)



[HMC441LP3E](#)

Analog Devices, Inc
QFN-16



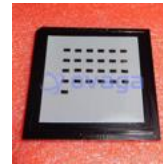
[HMC948LP3E](#)

Analog Devices, Inc
LP3



[HMC358MS8GE](#)

Analog Devices, Inc
MSOP-8



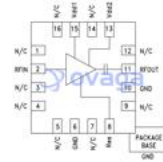
[HMC490](#)

Analog Devices, Inc
SMD



[HMC453ST89E](#)

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ST89E



[HMC618ALP3E](#)

Analog Devices, Inc
QFN-16