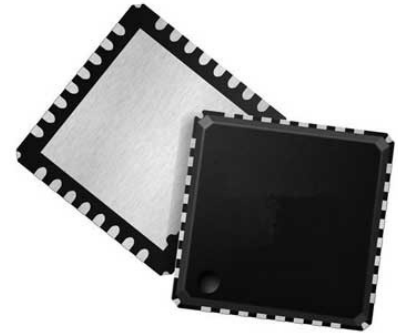


Hittite VCO, 3.9 → 4.4 (Output 2) GHz, 7.8 → 8.8 (Output 1) GHz, 32-Pin QFN

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	QFN-32
Product Type	RF Integrated Circuits
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC509LP5E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The HMC509LP5(E) is a GaAs InGaP Heterojunction Bipolar Transistor (HBT) MMIC VCOs. The HMC509LP5(E) integrates resonators, negative resistance devices, varactor diodes and feature a half frequency output. The VCO's phase noise performance is excellent over temperature, shock, and process due to the oscillator's monolithic structure. Power output is +13 dBm typical from a +5V supply. The voltage controlled oscillator is packaged in a leadless QFN 5x5 mm surface mount package, and requires no external matching components.

## Features

Dual Output: = 3.9 - 4.4 GHz

Pout: +13 dBm

Phase Noise: -115 dBc/Hz @100 kHz Typ.

No External Resonator Needed

QFN Leadless SMT Package, 25 mm<sup>2</sup>

## Application

VSAT Radio

Point-to-Point/Multi-Point Radio

Test Equipment & Industrial Controls

Military End-Use

## Related Products



[HMC3653LP3BE](#)

Analog Devices, Inc  
QFN-12



[HMC441LP3E](#)

Analog Devices, Inc  
QFN-16



[HMC253AQS24](#)

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



[HMC948LP3E](#)

Analog Devices, Inc  
LP3



[HMC358MS8GE](#)

Analog Devices, Inc  
MSOP-8



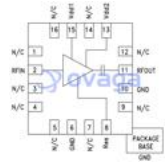
[HMC453ST89E](#)

Analog Devices, Inc  
ST89E



[HMC490](#)

Analog Devices, Inc  
SMD



[HMC618ALP3E](#)

Analog Devices, Inc  
QFN-16