HMC509LP5

Data Sheet

MMIC VCO w/ HALF FREQUENCY OUTPUT 7.8 - 8.8 GHz

Manufacturers	Analog Devices, Inc
Package/Case	QFN-32
Product Type	RF Integrated Circuits
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for HMC509LP5 or Email to us: 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 mm²

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](#)

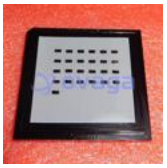
Analog Devices, Inc

LP3

[HMC358MS8GE](#)

Analog Devices, Inc

MSOP-8



[HMC490](#)

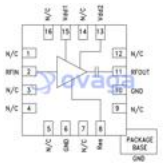
Analog Devices, Inc

SMD

[HMC453ST89E](#)

Analog Devices, Inc

ST89E



[HMC618ALP3E](#)

Analog Devices, Inc

QFN-16