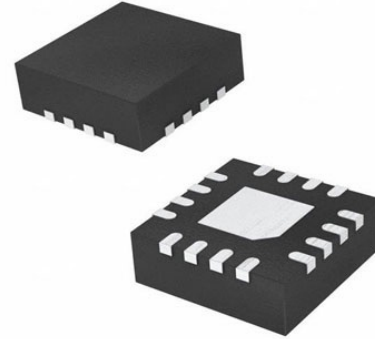


MMIC VCO -40C to 85C 24-Pin QFN EP T/R

Manufacturers	Analog Devices, Inc
Package/Case	24-VFQFN
Product Type	RF Amplifiers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC506LP4E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC506LP4(E) is a GaAs InGaP Heterojunction Bipolar Transistor (HBT) MMIC VCO with an integrated resonator, negative resistance device, varactor diode, and buffer amplifier. Covering 7.8 to 8.7 GHz, the VCO's phase noise performance is excellent over temperature, shock and vibration due to the oscillator's monolithic structure. Power output is +14 dBm typical from a single supply of +3V @ 77 mA. The voltage controlled oscillator is packaged in a leadless QFN 4x4 mm surface mount package.

Features

Pout: +14 dBm

Phase Noise: -103 dBc/Hz @100 KHz

No External Resonator Needed

Single Supply: +3V @ 77 mA

QFN Leadless SMT Package, 16 mm²

Application

VSAT Radio

Point-to-Point/Multi-point Radio

Test Equipment & Industrial Controls

Military End-Use

Related Products



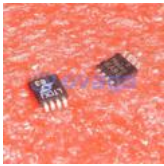
[HMC591LP5E](#)

Analog Devices, Inc
QFN32



[HMC589AST89E](#)

Analog Devices, Inc
SOT-89



[LTC6102HMS8#PBF](#)

Analog Devices, Inc
8MSOP



[HMC464LP5](#)

Analog Devices, Inc
QFN32



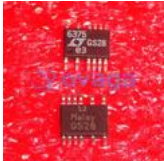
[HMC902LP3E](#)

Analog Devices, Inc
QFN-16



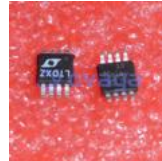
[LTC6102HMS8](#)

Analog Devices, Inc
MSOP8



[LT6375HMS#PBF](#)

Analog Devices, Inc
16MSOP



[LTC6102HMS8-1#PBF](#)

Analog Devices, Inc
8-MSOP