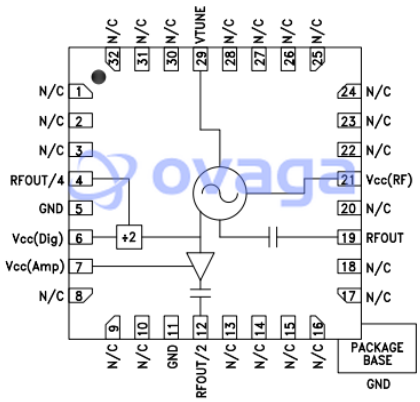
HMC582LP5E

Data Sheet

MMIC VCO w/ HALF FREQUENCY OUTPUT & DIVIDE-BY-4, 11.1 - 12.4 GHz

Manufacturers	Analog Devices, Inc
Package/Case	QFN32
Product Type	RF Integrated Circuits
RoHS	Pb-free Halide free
Lifecycle	

Functional Diagram



Images are for reference only

Please submit RFQ for HMC582LP5E or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The HMC582LP5(E) is a GaAs InGaP Herterojunction Bipolar Transistor (HBT) MMIC VCOs. The HMC582LP5(E) integrates resonators, negative resistance devices, varactor diodes and feature half frequency and divide-by-4 outputs. The VCO's phase noise performance is excellent over temperature, shock and process due to the oscillator's monolithic structure.

Power output is +9 dBm typical from a +5V supply voltage. The prescaler and RF/2 functions can be disabled to conserve current if not required. The voltage cont-rolled oscillator is packaged in a leadless QFN 5x5 mm surface mount package, and requires no external matching components.

Features

Triple Output: >

Pout: +9 dBm

Phase Noise: -110 dBc/Hz @ 100 kHz Typical

No External Resonator Needed

QFN Leadless SMT Package, 25 mm²

Application

Point-to-Point Radios

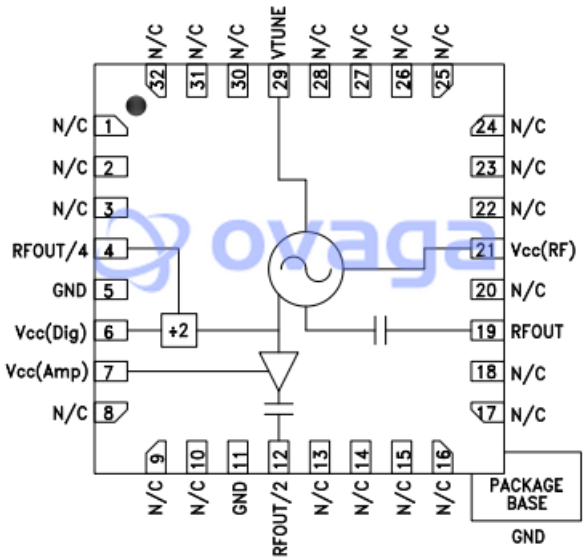
Point-to-Multi-Point Radios

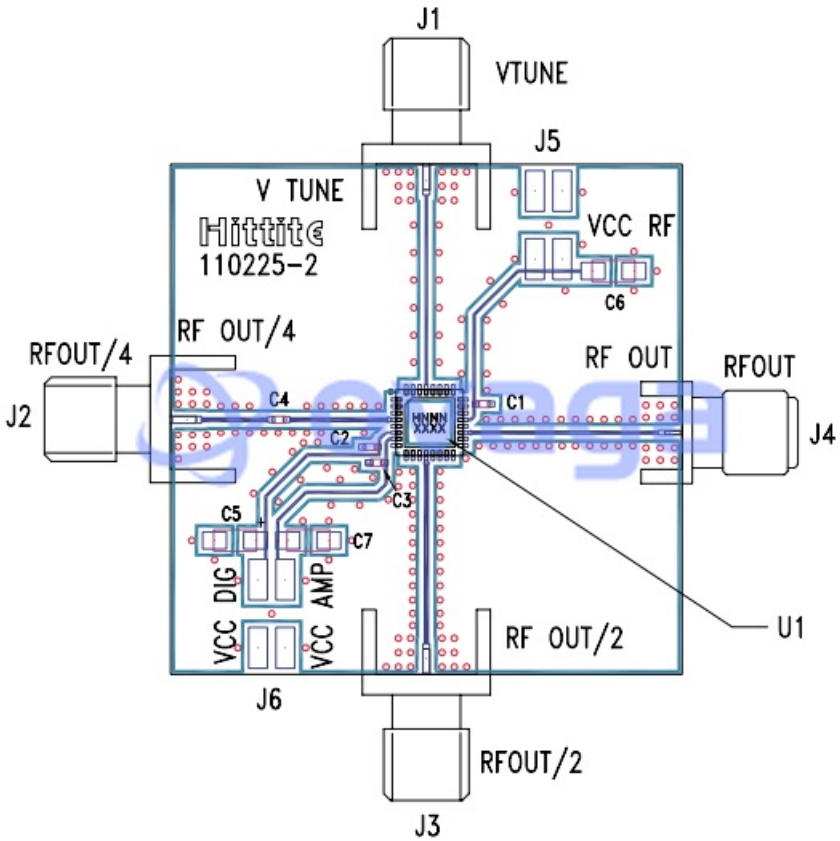
Test Equipment & Industrial Controls

SATCOM

Military End-Use

Functional Diagram





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](#)

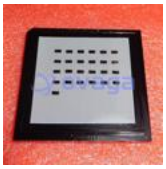
Analog Devices, Inc

LP3

[HMC358MS8GE]

Analog Devices, Inc

MSOP-8



[HMC490]

Analog Devices, Inc

SMD

[HMC453ST89E]

Analog Devices, Inc

ST89E

[HMC618ALP3E]

Analog Devices, Inc

QFN-16