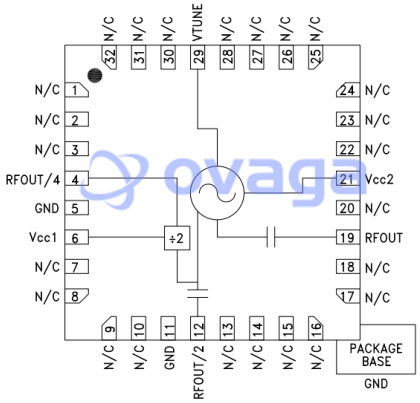
HMC513LP5E

Data Sheet

MMIC VCO w/ HALF FREQUENCY OUTPUT & DIVIDE-BY-4, 10.43 - 11.46 GHz

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

Functional Diagram



Images are for reference only

Please submit RFQ for HMC513LP5E or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The HMC513LP5(E) is a GaAs InGaP Heterojunction Bipolar Transistor (HBT) MMIC VCOs. The HMC513LP5(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 +7 dBm typical from a +3V supply voltage. The prescaler function can be disabled to conserve current if not required. The voltage controlled oscillator is packaged in a leadless QFN 5x5 mm surface mount package, and requires no external matching components.

Features

Dual Output: = 5.21 - 5.73 GHz

Pout: +7 dBm

Phase Noise: -110 dBc/Hz @100 KHz Typ.

No External Resonator Needed

QFN Leadless SMT Package, 25 mm²

Application

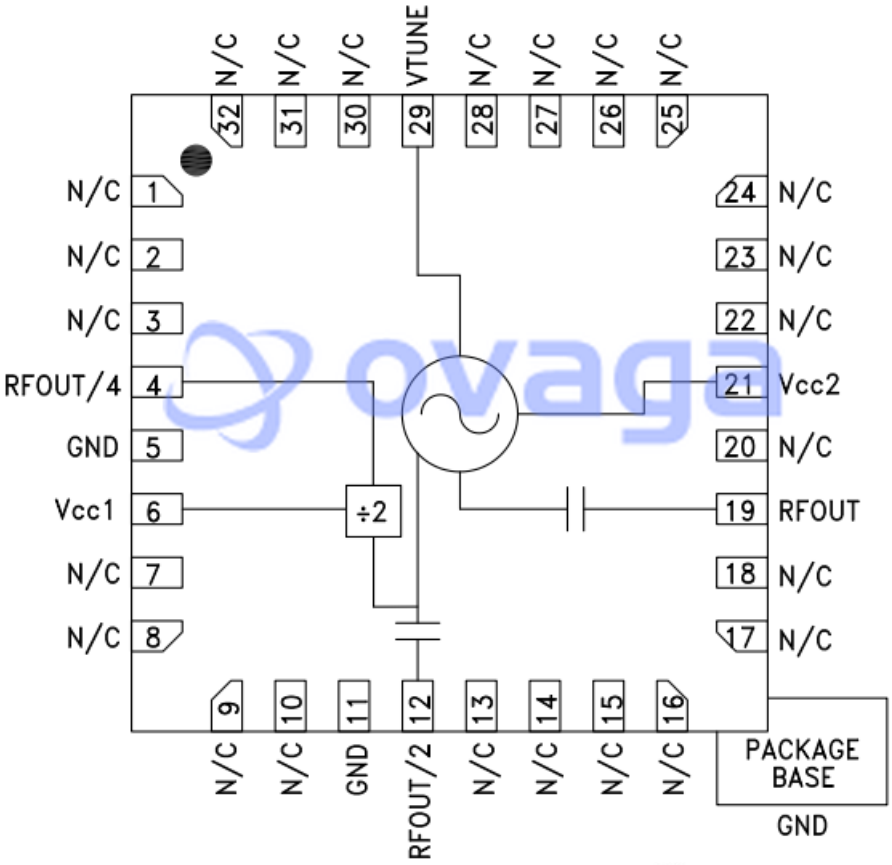
VSAT Radio

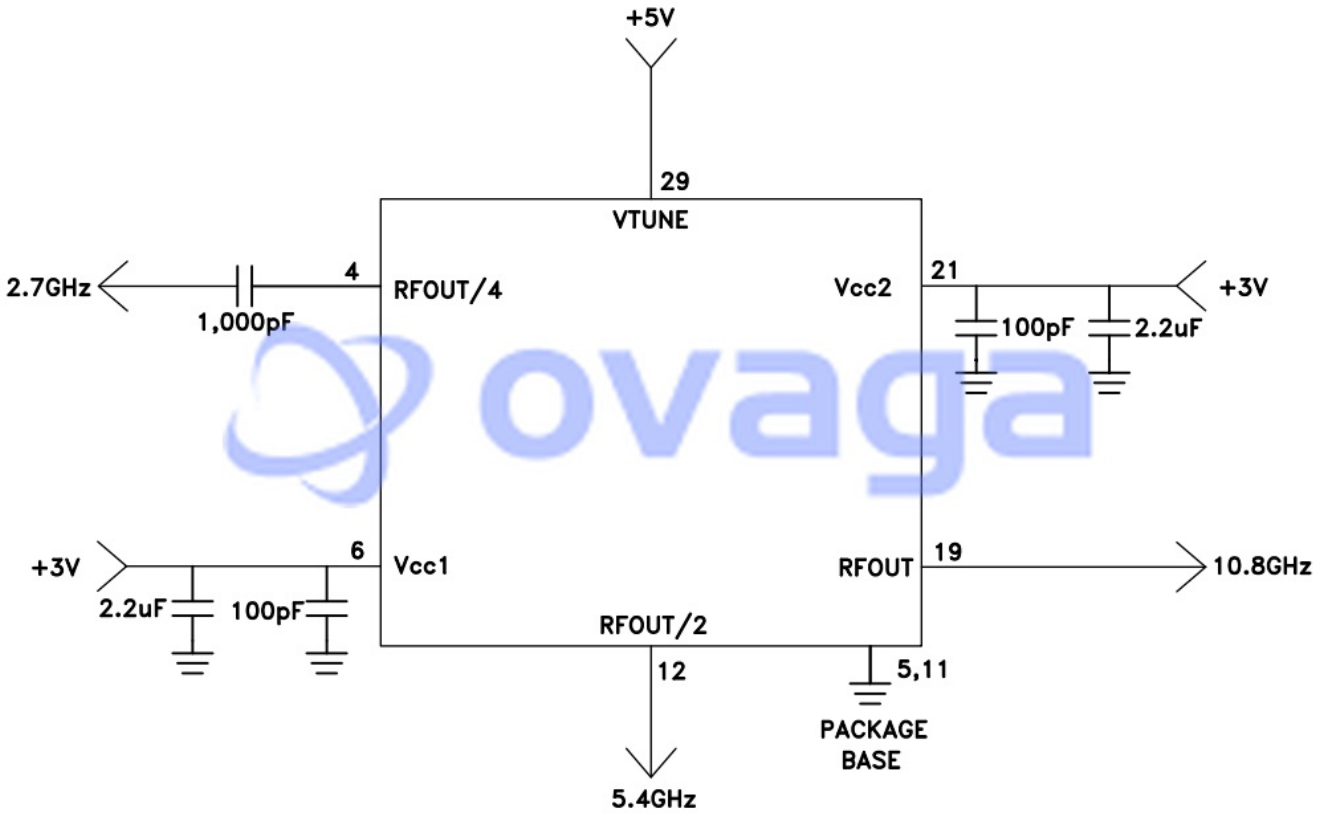
Point-to-Point/Multi-Point Radio

Test Equipment & Industrial Controls

Military End-Use

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]

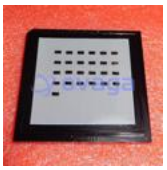
Analog Devices, Inc

LP3

[HMC358MS8GE]

Analog Devices, Inc

MSOP-8



[HMC490]

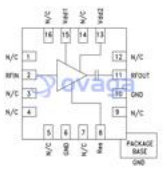
Analog Devices, Inc

SMD

[HMC453ST89E]

Analog Devices, Inc

ST89E



[HMC618ALP3E]

Analog Devices, Inc

QFN-16