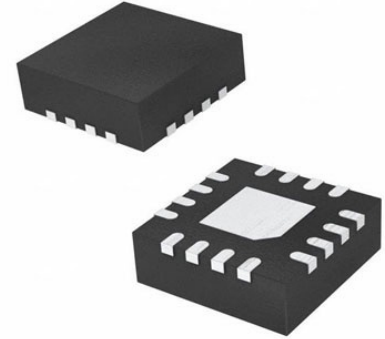


PLL, Synthesizer & VCO, 45-1050/1400-2100/2800-4200 MHz Bandwidth, 3V to 3.5V Supply, QFN-40

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	40-VFQFN
Product Type	Clock Generators
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for HMC829LP6GE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The HMC829LP6GE is a low noise, wide band, Fractional-N Phase-Locked-Loop (PLL) that features an integrated Voltage Controlled Oscillator (VCO) with a fundamental frequency of 2800 MHz - 4200 MHz, and an integrated VCO Output Divider (divide by 1/2/4/6.../60/62), that together allow the HMC829LP6GE to generate frequencies from 45 MHz to 1050 MHz, from 1400 MHz to 2100 MHz, and from 2800 MHz to 4200 MHz. The integrated Phase Detector (PD) and delta-sigma modulator, capable of operating at up to 100 MHz, permit wider loop-bandwidths with excellent spectral performance.

For theory of operation and register map refer to the "PLLs w/ Integrated VCO - Microwave VCOs" Operating Guide.

## Features

RF Bandwidth: 45 - 1050, 1400 - 2100, 2800 - 4200 MHz

Maximum Phase Detector Rate 100 MHz

Ultra Low Phase Noise: -110 dBc/Hz in Band Typ.

Figure of Merit (FOM) -227 dBc/Hz

## Application

Cellular/4G, WiMax Infrastructure

Repeaters and Femtocells

Communications Test Equipment

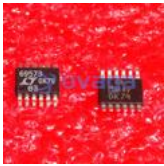
CATV Equipment

Phased Array Applications

DDS Replacement

Very High Data Rate Radios

## Related Products



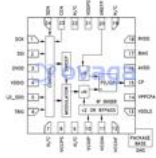
[LTC6957HMS-3#PBF](#)

Analog Devices, Inc  
MSOP-12



[HMC987LP5E](#)

Analog Devices, Inc  
32-VFQFN



[HMC703LP4E](#)

Analog Devices, Inc  
QFN-24



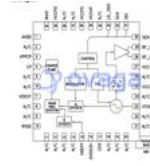
[HMC1031MS8E](#)

Analog Devices, Inc  
8-MS8E



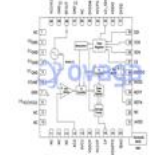
[HMC769LP6CE](#)

Analog Devices, Inc  
40-QFN



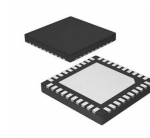
[HMC838LP6CE](#)

Analog Devices, Inc  
QFN-40



[HMC807LP6CETR](#)

Analog Devices, Inc  
QFN40



[HMC835LP6GE](#)

Analog Devices, Inc  
QFN40