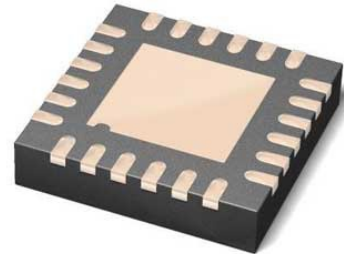


Clock Generator MHz to 200MHz Input 24Pin QFN EP T/R

Manufacturers	Analog Devices, Inc
Package/Case	QFN24
Product Type	Clock Generators
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HMC700LP4 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC700LP4(E) is a SiGe BiCMOS fractional-N frequency synthesizer. The synthesizer includes a very low noise digital phase frequency detector (PFD), and a precision controlled charge pump.

The fractional synthesizer features an advanced deltasigma modulator design that allows both ultra-fine step sizes and very low spurious products. Spurious outputs are low enough to eliminate the need for costly Direct Digital Synthesis (DDS) references in many applications.

The HMC700LP4(E) phase-frequency detector (PFD) features cycle slip prevention (CSP) technology that allows faster frequency hopping times.

Ultra low in-close phase noise and low spurious also permit architectures with wider loop bandwidths for faster frequency hopping and low microphonics. FSK mode allows the synthesizer to be used as a simple low cost direct FM transmitter source.

Features

8 GHz, 16 bit prescaler

Fractional or Integer Modes

24 bit step size resolution, 3 Hz typ

Ultra Low Phase Noise

225 MHz, 14bit reference path input

Direct FSK Modulation Mode

Cycle Slip Prevention

Read / Write Serial Port, Chip ID

24 Lead 4x4mm SMT Package: 16mm²

Application

Base Stations for Mobile Radio

WiMAX

Test & Measurement

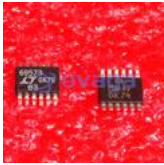
CATV Equipment

Phased Array Applications

Simple FSK Links

DDS Replacement

Related Products



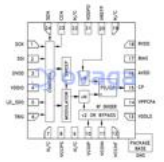
[LTC6957HMS-3#PBF](#)

Analog Devices, Inc
MSOP-12



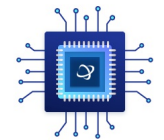
[HMC987LP5E](#)

Analog Devices, Inc
32-VFQFN



[HMC703LP4E](#)

Analog Devices, Inc
QFN-24



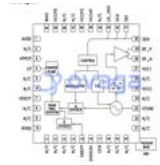
[HMC1031MS8E](#)

Analog Devices, Inc
8-MS8E



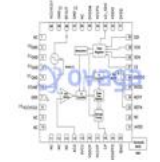
[HMC769LP6CE](#)

Analog Devices, Inc
40-QFN



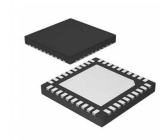
[HMC838LP6CE](#)

Analog Devices, Inc
QFN-40



[HMC807LP6CETR](#)

Analog Devices, Inc
QFN40



[HMC835LP6GE](#)

Analog Devices, Inc
QFN40