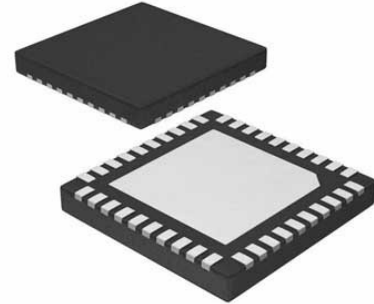


Clock Generator 0.1MHz to 225MHz Input 40Pin QFN EP T/R

Manufacturers	Analog Devices, Inc
Package/Case	QFN40
Product Type	Clock Generators
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for HMC764LP6CE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC764LP6CE is a fully functional Fractional-N Phase-Locked-Loop (PLL) with an Integrated Voltage Controlled Oscillator (VCO). The input reference frequency range is 100 kHz to 220 MHz while the advanced delta-sigma modulator design in the fractional PLL allows both ultra-fine step sizes and very low spurious products. The highly integrated structure provides excellent phase noise performance over temperature, shock and process. The HMC764LP6CE is packaged in a leadless QFN 6 x 6 mm surface mount package. The output power is 15 dBm typical, making the HMC764LP6CE ideal for driving the LO port of many of Hittite's Hi Linearity and I/Q mixer products.

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

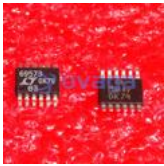
Features

- RF Bandwidth: 7.3 to 8.2 GHz
- Fractional or Integer Modes
- 7.8 GHz; 50 MHz Ref.
- 24-Bit Step Size, 3 Hz Resolution Typ.
- Reference Path Input: 225 MHz
- FSK Modulation & Cycle Slip Prevention Modes
- 40 Lead 6x6mm SMT Package: 36mm²

Application

- VSAT Radio
- Point-to-Point / Multi-Point Radio
- Test Equipment & Industrial Control
- Military End-Use
- Phased Array Applications

Related Products



[LTC6957HMS-3#PBF](#)

Analog Devices, Inc
MSOP-12



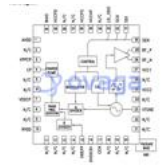
[HMC769LP6CE](#)

Analog Devices, Inc
40-QFN



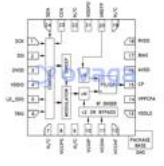
[HMC987LP5E](#)

Analog Devices, Inc
32-VFQFN



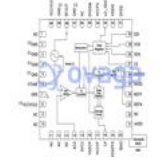
[HMC838LP6CE](#)

Analog Devices, Inc
QFN-40



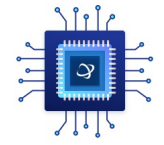
[HMC703LP4E](#)

Analog Devices, Inc
QFN-24



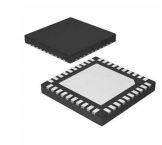
[HMC807LP6CETR](#)

Analog Devices, Inc
QFN40



[HMC1031MS8E](#)

Analog Devices, Inc
8-MS8E



[HMC835LP6GE](#)

Analog Devices, Inc
QFN40