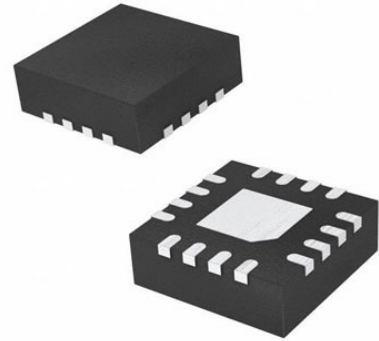


Active Filter Single SW-CAP Low Pass 16-Pin LFCSP EP T/R

Manufacturers	Analog Devices, Inc
Package/Case	16-VFQFN
Product Type	Active Filters
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC1044LP3E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC1044LP3E is a programmable bandwidth LPF (Low Pass Filter) targeted at all applications that use quadrature modulators and/or demodulators. The HMC1044LP3E filters out LO harmonics and ensures little or no LO contribution to modulator sideband rejection or demodulator image rejection performance.

Although targeted at LO filtering applications, the HMC1044LP3E can be used to filter all RF harmonics such as the ones generated by amplifiers.

The HMC1044LP3E offers a choice of 16 programmable bands, optimized for high and low cellular bands ranging from 1 to 3 GHz, making the a truly wideband part compatible with wideband PLLs with Integrated VCOs and wideband quadrature modulators and demodulators. It enables wideband multi-standard, multi-carrier designs that are field configurable on-the-fly for each individual application.

The HMC1044LP3E is packaged in a compact 3x3 mm QFN leadless package.

Features

Programmable Bandwidth: 1 to 3 GHz

Compatible with Narrowband & Wideband: PLLs with Integrated VCOs Modulators Demodulators

LO Harmonic Rejection: ~20 dB

Improves Modulator/Demodulator Sideband/Image Rejection

Performance: 20 dB Typical

Single-Ended or Differential Options

Footprint up to 90% Smaller than Current Discrete Fixed Bandwidth Solutions

16 Lead 3x3 mm SMT Package

Application

Filtering LO Harmonics to Reduce Modulator Sideband Rejection & Demodulator Image Rejection

Amplifier Harmonic Filtering

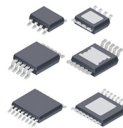
RF Filtering

Related Products



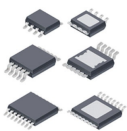
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Analog Devices, Inc
MSOP-16



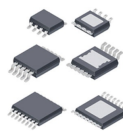
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Analog Devices, Inc
MSOP-16



[LTC6820HMS#3ZZPBF](#)

Analog Devices, Inc
16-Lead MSOP



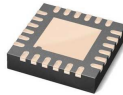
[LTC2865HMSE#PBF](#)

Analog Devices, Inc
12-Lead MSOP w/ EP



[LTC2851HMS8#PBF](#)

Analog Devices, Inc
8-Lead MSOP



[HMC897LP4E](#)

Analog Devices, Inc
QFN-24



[LT4294HMS#TRPBF](#)

Analog Devices, Inc
10-Lead MSOP



[LT4293HMS#TRPBF](#)

Analog Devices, Inc
10-Lead MSOP