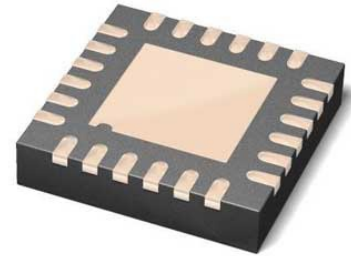


Clock Generator 4000MHz-OUT 16Pin QFN EP T/R

|               |                                     |
|---------------|-------------------------------------|
| Manufacturers | <a href="#">Analog Devices, Inc</a> |
| Package/Case  | QFN24                               |
| Product Type  | Clock Generators                    |
| RoHS          | Green                               |
| Lifecycle     |                                     |



Images are for reference only

Please submit RFQ for HMC988LP3E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The HMC988LP3E is an ultra low noise clock divider capable of dividing by 1/2/4/8/16/32. It is a versatile device with additional functionality including adjustable output phase, adjustable delay in 60 steps of ~ 20 ps, a clock synchronization function, and a clock invert option. Housed in a compact 3x3 mm SMT QFN package, the clock divider offers a high level of functionality. The device works with 3.3V supply or may be connected to 5V supply and utilize the optional on-chip regulator. This on-chip regulator may be bypassed. Up to 8 addressable HMC988LP3E devices can be used together on the SPI bus. The HMC988LP3E is ideally suited for data converter applications with extremely low phase noise requirements.

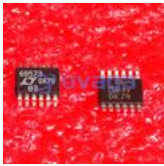
## Features

- Programmable Clock Divide by 1/2/4/8/16/32
- Delay Adjustment in Multiples of 1/2 Clock Cycles or in 60 Steps of 20 ps (Typ.)
- Up to 4 GHz Operation with 800 mVp-p LVPECL Output
- 3.3V Operation (or 5V Operation with Optional On-Chip Regulator for Best Performance)

## Application

- Basestation Digital Pre-Distortion Paths (DPD)
- High Performance Automated Test Equipment (ATE)
- Backplane Clock Skew Management
- Phase Coherence of Multiple Clock Paths
- Clock Delay Management to Improve Setup & Hold Time Margins
- PCB Signal Flight Time Offset Circuits
- Track and Hold Circuits for ADC/DACs

## Related Products



[LTC6957HMS-3#PBF](#)

Analog Devices, Inc  
MSOP-12



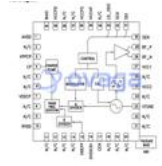
[HMC769LP6CE](#)

Analog Devices, Inc  
40-QFN



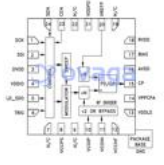
[HMC987LP5E](#)

Analog Devices, Inc  
32-VFQFN



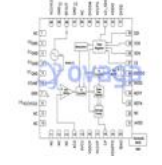
[HMC838LP6CE](#)

Analog Devices, Inc  
QFN-40



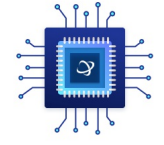
[HMC703LP4E](#)

Analog Devices, Inc  
QFN-24



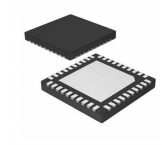
[HMC807LP6CETR](#)

Analog Devices, Inc  
QFN40



[HMC1031MS8E](#)

Analog Devices, Inc  
8-MS8E



[HMC835LP6GE](#)

Analog Devices, Inc  
QFN40