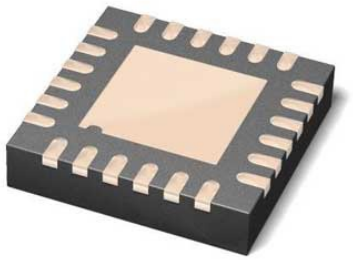
HMC940LC4B

Data Sheet

13 Gbps 1:4 Fanout Buffer W/Programmable Output Voltage

Manufacturers	Analog Devices, Inc
Package/Case	QFN-24
Product Type	Clock & Timer ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for HMC940LC4B or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The HMC940LC4B is a 1:4 Fanout Buffer designed to support data transmission rates up to 13 Gbps, and clock frequencies as high as 13 GHz. All differential inputs and outputs are DC coupled and terminated on chip with 50 Ohm resistors to ground. The outputs may be used in either single-ended or differential modes, and should be AC or DC coupled into 50 Ohm resistors connected to ground.

The HMC940LC4B also features an output level control pin, VR which allows for loss compensation or for signal level optimization. The HMC940LC4B operates from a single -3.3V DC supply and is available in a ceramic RoHS compliant 4x4 mm SMT package.

Features

Inputs Terminated Internally in 50 Ohms

Differential Inputs are DC Coupled

Propagation Delay: 101 ps

Fast Rise and Fall Times: 26 / 25 ps

Programmable Differential Output Voltage Swing: 600 - 1400 mV

Power Dissipation: 440 mW

24 Lead 4x4mm SMT Package: 16mm²

Application

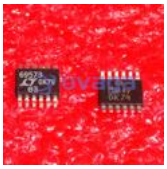
RF ATE Applications

Broadband Test & Measurement

Serial Data Transmission up to 13 Gbps

Clock Buffering up to 13 GHz

Related Products



[LTC6957HMS-3#PBF]

Analog Devices, Inc

MSOP-12

[HMC769LP6CE]

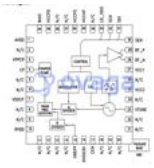
Analog Devices, Inc

40-QFN

[HMC987LP5E]

Analog Devices, Inc

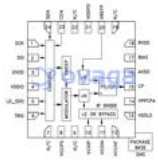
32-VFQFN



[HMC838LP6CE]

Analog Devices, Inc

QFN-40



[HMC703LP4E]

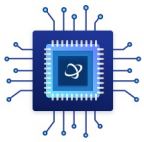
Analog Devices, Inc

QFN-24

[HMC807LP6CETR]

Analog Devices, Inc

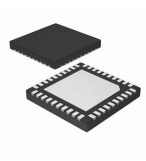
QFN40



[HMC1031MS8E]

Analog Devices, Inc

8-MS8E



[HMC835LP6GE]

Analog Devices, Inc

QFN40