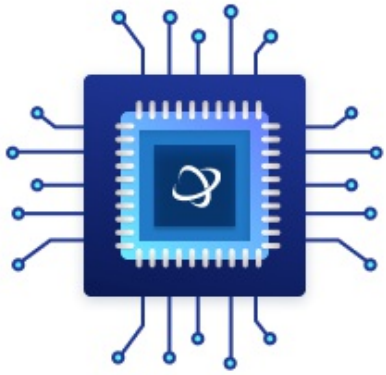
HMC1081

Data Sheet

Up/Down Conv Mixer 75GHz Automotive 3-Pin Die Tray

Manufacturers	Analog Devices, Inc
Package/Case	Chip
Product Type	RF Integrated Circuits
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for HMC1081 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The HMC1081 is a double balanced mixer. It can be used as an upconverter or a downconverter, with DC to 26 GHz at the IF port and 50 to 75 GHz at the RF port. This passsive MMIC mixer is fabricated with GaAs Shottky diode technology. All bond pads and the die backside are Ti/Au metallized and the Shottky devices are fully passivated for reliable operation. All data shown herein is measured with the chip in a 50 Ohm environment and contacted with RF probes.

Features

Passive: No DC Bias Required

Low LO Power: 12 dBm

High LO/RF Isolation: 28 dB

Wide IF Bandwidth: DC to 26 GHz

Upconversion & Downconversion Applications

Die Size: 1.23 x 1.21 x 0.1 mm

Application

E-Band Communications Systems

Test Equipment & Sensors

Military End-Use

Automotive Radar

Related Products

HMC3653LP3BE

Analog Devices, Inc

QFN-12

HMC441LP3E

Analog Devices, Inc

QFN-16

HMC253AQS24

Analog Devices, Inc

24-SSOP (0.154, 3.90mm Width)

HMC358MS8GE

Analog Devices, Inc

MSOP-8

HMC453ST89E

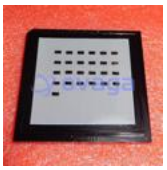
Analog Devices, Inc

ST89E

HMC948LP3E

Analog Devices, Inc

LP3



HMC490

Analog Devices, Inc

SMD

HMC618ALP3E

Analog Devices, Inc

QFN-16