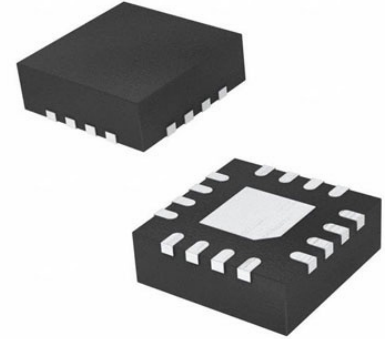


LINEAR TECHNOLOGY LTC5549IUDB#TRMPBF RF Double Balanced Mixer IC, Up/Downconverter, 3V to 3.6V, 2GHz to 14GHz, QFN-12



Images are for reference only

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	12-VFQFN
Product Type	RF Integrated Circuits
RoHS	Green
Lifecycle	

Please submit RFQ for LTC5549IUDB#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC5549 is a general purpose passive doublebalanced mixer that can be used for upconversion or downconversion. The RF port is designed for the 2GHz to 14GHz band and the IF port is optimized for 500MHz to 6GHz operation. An integrated LO buffer amplifier supports LO frequencies from 1GHz to 12GHz, requiring only 0dBm LO power. The LTC5549 delivers high IIP3 and input P1dB with low power consumption.

An internal LO frequency doubler can be enabled by a CMOS-compatible digital control pin, allowing operation with a lower, one-half LO input frequency. This allows the mixer's LO port to be used with existing synthesizers, such as the LTC6946 and LTC6948 family.

The LTC5549's high level of integration minimizes the total solution cost, board space and system level variation with its 2mm × 3mm package size.

## Features

Upconversion or Downconversion

High IIP3:

8.0dB Conversion Loss at 5.8GHz

Integrated LO Buffer: 0dBm LO Drive

Bypassable Integrated LO Frequency Doubler

Low LO-RF Leakage: <-30dBm

50Ω Single-Ended RF, LO and IF Ports

3.3V/115mA Supply

Fast Turn ON/OFF for TDD Operation

2mm × 3mm, 12-Lead QFN Package

## Application

Microwave Transceivers

Wireless Backhaul

Point-to-Point Microwave

Phased-Array Antennas

C, X and Ku Band RADAR

Test Equipment

Satellite MODEMs

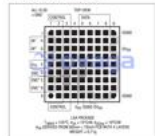
## Related Products



### [LTC5510IUF](#)

Analog Devices, Inc  
QFN-16

pin configuration



### [LTM9001IV-AA#PBF](#)

Analog Devices, Inc  
LGA81



### [LT5581IDDB](#)

Analog Devices, Inc  
DFN8



### [LT5521EUF](#)

Analog Devices, Inc  
QFN-16



### [LT5519EUF](#)

Analog Devices, Inc  
QFN-16



### [LTC5510IUF#TRPBF](#)

Analog Devices, Inc  
16-WQFN



### [LT5538IDD](#)

Analog Devices, Inc  
DFN8



### [LTP5902IPC-IPMA#PBF](#)

Analog Devices, Inc  
SMD