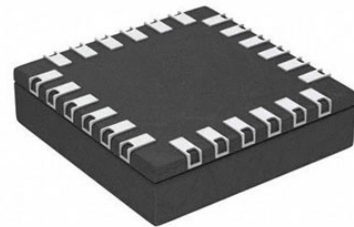


Up/Down Conv Mixer 3.3V 20GHz 12-Pin QFN EP T/R

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



Images are for reference only

Please submit RFQ for LTC5552IUDB#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC5552 is a high performance, microwave double balanced passive mixer that can be used for frequency upconversion or downconversion. The device is similar to the LTC5553, but with a broadband, differential DC to 6GHz IF port. The LTC5552 is recommended for applications where the IF frequency range extends below 500MHz. For applications where the IF frequency is always above 500MHz, the LTC5553 is recommended, since it includes an integrated IF balun.

The mixer and integrated RF balun are optimized to cover the 3GHz to 20GHz RF frequency range. The integrated LO amplifier is optimized for the 1GHz to 20GHz frequency range, requiring only 0dBm drive.

The part delivers high IIP3 and P1dB, low LO leakage and high integration in a small package.

## Features

Integrated LO Buffer: 0dBm LO Drive

50Ω Wideband Matched RF and LO Ports

Wide IF Bandwidth: DC to 6GHz

Upconversion or Downconversion

High IIP3:

8dB Conversion Loss at 10GHz

3.3V/132mA Supply

Fast Turn ON/OFF for TDD Operation

3mm × 2mm, 12-Lead QFN Package

## Application

5G Broadband Wireless Access

Microwave Transceivers

Wireless Backhaul

Point-to-Point Microwave

Phased-Array Antennas

C, X and Ku Band RADAR

Test Equipment n Satellite Modems

## Related Products



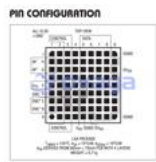
### [LTC5510IUF](#)

Analog Devices, Inc  
QFN-16



### [LT5519EUF](#)

Analog Devices, Inc  
QFN-16



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

Analog Devices, Inc  
LGA81



### [LTC5510IUF#TRPBF](#)

Analog Devices, Inc  
16-WQFN



### [LT5581IDDB](#)

Analog Devices, Inc  
DFN8



### [LT5538IDD](#)

Analog Devices, Inc  
DFN8



### [LT5521EUF](#)

Analog Devices, Inc  
QFN-16



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

Analog Devices, Inc  
SMD