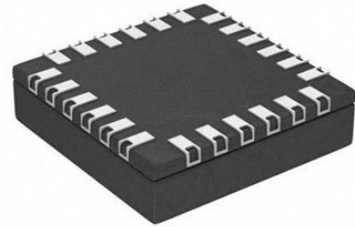


Up/Down Conv Mixer 3.3V 3GHz 12-Pin QFN EP T/R

Manufacturers	Analog Devices, Inc
Package/Case	12-WFQFN
Product Type	RF Integrated Circuits
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC5553IUDB#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC5553 is a high performance, microwave double balanced passive mixer that can be used for frequency upconversion or downconversion.

The LTC5553's mixer and integrated RF balun are optimized to cover the 3GHz to 20GHz RF frequency range. The device includes an integrated LO amplifier optimized for the 1GHz to 20GHz frequency range, requiring only 0dBm drive. The integrated IF balun is optimized to cover a very wide, 500MHz to 9GHz, frequency range while providing a single-ended 50Ω interface.

The LTC5553 delivers exceptionally high IIP3 and P1dB, in addition to low LO to RF and LO to IF leakages. The part also offers a high level of integration in a small package.

Features

Upconversion or Downconversion

High IIP3:

9dB Conversion Loss at 10GHz

Integrated LO Buffer: 0dBm LO Drive

Low LO-RF Leakage: <-25dBm

50Ω Wideband Matched RF, LO and IF Ports

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

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