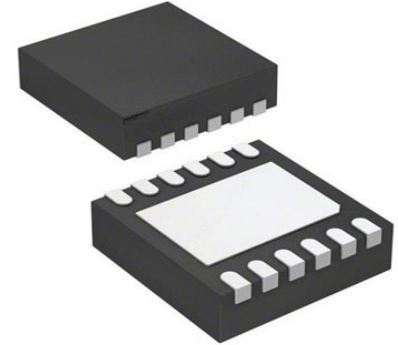


0.01MHz to 4GHz Low Power Active Mixer; Package: DFN; No of Pins: 8; Temperature Range: -40°C to +125°C

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	8-WFDFN
Product Type	RF Integrated Circuits
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for LT5560EDD#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT5560 is a low power, high performance broadband active mixer. This double-balanced mixer can be driven by a single-ended LO source and requires only  $-2\text{dBm}$  of LO power. The balanced design results in low LO leakage to the output, while the integrated input amplifier provides excellent LO to IN isolation. The signal ports can be impedance matched to a broad range of frequencies, which allows the LT5560 to be used as an up- or down-conversion mixer in a wide variety of applications.

The LT5560 is characterized with a supply current of 10mA; however, the DC current is adjustable, which allows the performance to be optimized for each application with a single resistor. For example, when biased at its maximum supply current (13.4mA), the typical upconverting mixer IIP3 is  $+10.8\text{dBm}$  for a 900MHz output. Applications

Portable Wireless

CATV/DBS Receivers

WiMAX Radios

PHS Basestations

RF Instrumentation

Microwave Data Links

VHF/UHF 2-Way Radios

## Features

Up or Downconverting Applications

Noise Figure: 9.3dB Typical at 900MHz Output

Conversion Gain: 2.4dB Typical

IIP3: 9dBm Typical at >

Adjustable Supply Current: 4mA to 13.4mA

Low LO Drive Level: -2dBm

Single-Ended or Differential LO

High Port-to-Port Isolation

Enable Control with Low Off-State Leakage Current

Single 2.7V to 5V Supply

Small 3mm × 3mm DFN Package

## Application

Portable Wireless

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## Related Products



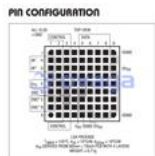
### [LTC5510IUF](#)

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



### [LTC5521EUF](#)

Analog Devices, Inc  
QFN-16



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

Analog Devices, Inc  
SMD