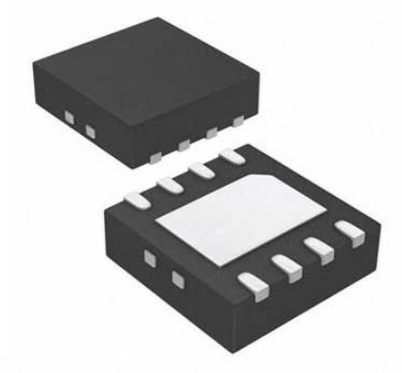


LT5560 - 0.01MHz to 4GHz Low Power Active Mixer; Package: DFN; Pins: 8;
Temperature Range: -40°C to 85°C

Manufacturers	Analog Devices, Inc
Package/Case	QFN8
Product Type	RF Integrated Circuits
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for LT5560EDD#TRPBF 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 -2dBm 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 +10.8dBm 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

CATV/DBS Receivers

WiMAX Radios

PHS Basestations

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Related Products



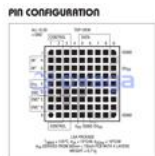
[LTC5510IUF](#)

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



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DFN8



[LT5538IDD](#)

Analog Devices, Inc
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[LTC5521EUF](#)

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QFN-16



[LTP5902IPC-IPMA#PBF](#)

Analog Devices, Inc
SMD