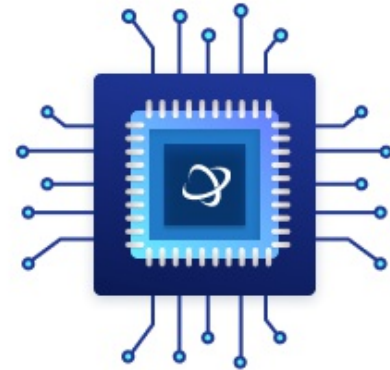


22 GHz to 38 GHz, GaAs, MMIC, Double Balanced Mixer

Manufacturers	Analog Devices, Inc
Package/Case	CHIPS OR DIE
Product Type	RF Integrated Circuits
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HMC560A or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC560ALM3 chip is a general-purpose, double balanced mixer that can be used as an upconverter or downconverter from 22 GHz to 38 GHz in a small chip area. This mixer requires no external component or matching circuitry.

The HMC560ALM3 provides excellent local oscillator (LO) to radio frequency (RF) and LO to intermediate frequency (IF) suppression due to optimized balun structures. The mixer operates with LO drive levels above 9 dBm.

Features

Conversion loss

10 dB typical for 22 GHz to 29 GHz

11 dB typical for 29 GHz to 38 GHz

LO to RF isolation

34 dB typical for 22 GHz to 29 GHz

38 dB typical for 29 GHz to 38 GHz

LO to IF isolation

29 dB typical for 22 GHz to 29 GHz

31 dB typical for 29 GHz to 38 GHz

RF to IF isolation

24 dB typical for 22 GHz to 29 GHz

39 dB typical for 29 GHz to 38 GHz

Input IP3

20 dBm typical for 22 GHz to 29 GHz

19.5 dBm typical for 29 GHz to 38 GHz

IF bandwidth: dc to 18 GHz

Passive, no dc bias required

Application

Point to point radios

Point to multipoint radios and very small aperture terminal (VSAT) radios

Test equipment and sensors

Military end use

Related Products



[HMC3653LP3BE](#)

Analog Devices, Inc
QFN-12



[HMC253AQS24](#)

Analog Devices, Inc
24-SSOP (0.154, 3.90mm Width)



[HMC358MS8GE](#)

Analog Devices, Inc
MSOP-8



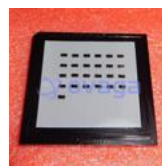
[HMC441LP3E](#)

Analog Devices, Inc
QFN-16



[HMC948LP3E](#)

Analog Devices, Inc
LP3



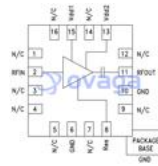
[HMC490](#)

Analog Devices, Inc
SMD



HMC453ST89E

Analog Devices, Inc
ST89E



HMC618ALP3E

Analog Devices, Inc
QFN-16