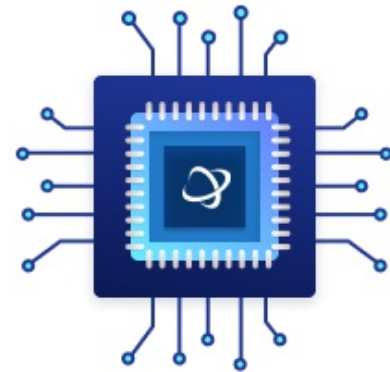


22 GHz to 38 GHz, GaAs, MMIC, Double Balanced Mixer

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 HMC329A or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC329A 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 of 0.87 mm × 0.58 mm. This mixer requires no external component or matching circuitry. The HMC329A provides excellent local oscillation (LO) to radio frequency (RF) and LO to intermediate frequency (IF) suppression due to optimized balun structures. The mixer operates with LO drive levels at 13 dBm or above.

Features

Downconverter

Conversion loss

9 dB typical for 22 GHz to 29 GHz

11 dB typical for 29 GHz to 38 GHz

LO to RF isolation

37 dB typical for 22 GHz to 29 GHz

36 dB typical for 29 GHz to 38 GHz

LO to IF isolation

30 dB typical for 22 GHz to 29 GHz

27 dB typical for 29 GHz to 38 GHz

RF to IF isolation

31 dB typical for 22 GHz to 29 GHz

34 dB typical for 29 GHz to 38 GHz

Input IP3

17 dBm typical for 22 GHz to 29 GHz

21 dBm typical for 29 GHz to 38 GHz

IF range

DC to 8 GHz

Passive, no dc bias required

Small size

0.87 × 0.58 × 0.102 mm

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



[HMC441LP3E](#)

Analog Devices, Inc

QFN-16



[HMC253AQS24](#)

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



[HMC948LP3E](#)

Analog Devices, Inc
LP3



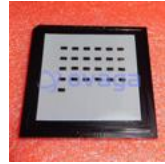
[HMC358MS8GE](#)

Analog Devices, Inc
MSOP-8



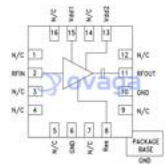
[HMC453ST89E](#)

Analog Devices, Inc
ST89E



[HMC490](#)

Analog Devices, Inc
SMD



[HMC618ALP3E](#)

Analog Devices, Inc
QFN-16