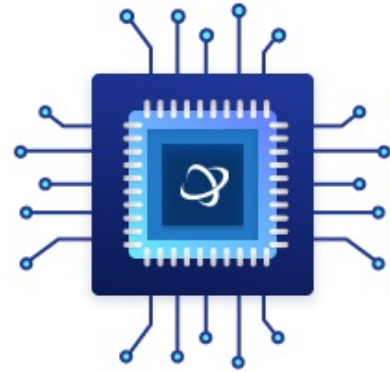


Up/Down Conv Mixer 3 to 4V 33000MHz 4Pin DIE Gel Pack

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



Images are for reference only

Please submit RFQ for HMC338 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC338 chip is a general purpose sub-harmonically pumped (x2) MMIC mixer with an integrated LO amplifier which can be used as an upconverter or downconverter in the 26 to 33 GHz frequency range. The chip utilizes a GaAs PHEMT technology that results in a small overall chip area of 1.28mm². The 2 LO to RF isolation is excellent eliminating the need for additional filtering. The LO amplifier is a single bias (+3V to +4V) two stage design with only -5 dBm nominal drive requirement. All data is measured with the chip in a 50 ohm test fixture connected via 0.076 mm (3 mil) ribbon bonds of minimal length <0.31 mm (<12 mils).

Features

Integrated LO Amplifier: -5 dBm Input

Sub-Harmonically Pumped (x2) LO

High 2 LO/RF Isolation: 33 dB

Die Size: 1.32 x 0.97 x 0.1 mm

Application

General Purpose Applications

26 and 33 GHz Microwave Radios

Up and Down Converter for Point-to-Point Radios

Satellite Communication Systems

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



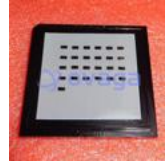
[HMC358MS8GE](#)

Analog Devices, Inc
MSOP-8



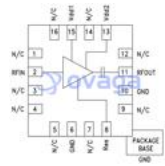
[HMC453ST89E](#)

Analog Devices, Inc
ST89E



[HMC490](#)

Analog Devices, Inc
SMD



[HMC618ALP3E](#)

Analog Devices, Inc
QFN-16