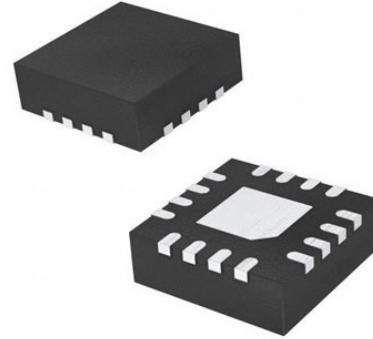


Up/Down Conv Mixer 3.5V 8600MHz 24Pin SMT T/R

Manufacturers	Analog Devices, Inc
Package/Case	24-VFQFN
Product Type	Data Conversion ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for HMC951BLP4E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC951B is a compact GaAs MMIC I/Q downconverter in a leadless RoHS compliant SMT package. This device provides a small signal conversion gain of 13 dB with a noise figure of 2 dB and 24 dB of image rejection across the frequency band. The HMC951B utilizes an LNA followed by an image reject mixer which is driven by an LO buffer amplifier. The image reject mixer eliminates the need for a filter following the LNA, and removes thermal noise at the image frequency.

I and Q mixer outputs are provided and an external 90° hybrid is needed to select the required sideband. The HMC951B is a much smaller alternative to hybrid style image reject mixer downconverter assemblies, and is compatible with surface mount manufacturing techniques.

Features

Conversion Gain: 13 dB

Image Rejection: 24 dB

LO to RF Isolation: 48 dB

Noise Figure: 2 dB

Input IP3: 1 dBm

24 Lead 4x4mm QFN Package: 16mm²

Application

Point-to-Point & Point-to-Multi-Point Radio

Military Radar, EW & ELINT

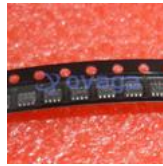
Satellite Communications

Related Products



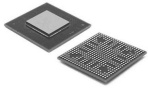
[LTC2640CTS8-HM10#TRMPBF](#)

Analog Devices, Inc
SOT-23



[LTC2640HTS8-HM10#TRMPBF](#)

Analog Devices, Inc
SOT-23



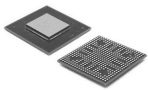
[HMCAD1520TR](#)

Analog Devices, Inc
48-Lead LFCSP (7mm x 7mm w/ EP)



[HMC7585LG](#)

Analog Devices, Inc
50-Lead LGA_CAV (16mm x 14mm x 3.07 mm)



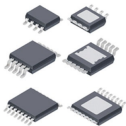
[HMCAD1511TR](#)

Analog Devices, Inc
48-LFCSP



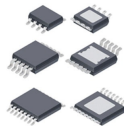
[LTC2480HMS#PBF](#)

Analog Devices, Inc
MSOP10



[LTC2383HMS-16#TRPBF](#)

Analog Devices, Inc
MSOP16



[LTC2382HMS-16#TRPBF](#)

Analog Devices, Inc
16-Lead MSOP