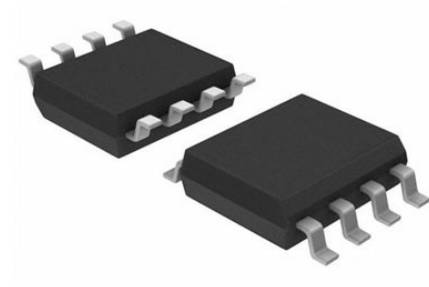


Up/Down Conv Mixer 7GHz 8-Pin SO EP T/R

Manufacturers	Analog Devices, Inc
Package/Case	MINISOEP-8
Product Type	RF Integrated Circuits
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC219BMS8GE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC219B is an ultraminiature, general-purpose, double balanced mixer in an 8-lead plastic surface mini small outline package with exposed pad (MINI_SO_EP). This passive monolithic microwave integrated circuit (MMIC) mixer is fabricated in a gallium arsenide (GaAs) metal semiconductor field effect transistor (MESFET) process and requires no external components or matching circuitry. The device can be used as an upconverter, downconverter, biphase demodulator, or phase comparator from 2.5 GHz to 7.0 GHz.

The HMC219B provides excellent local oscillator (LO) to radio frequency (RF) isolation and LO to intermediate frequency (IF) isolation due to optimized balun structures. The RoHS compliant HMC219B eliminates the need for wire bonding and is compatible with high volume surface-mount manufacturing techniques. The consistent MMIC performance improves system operation and assures regulatory compliance with HiperLAN, U-NII, and ISM.

Features

Conversion loss: 9 dB typical

LO to RF isolation: 40 dB typical

LO to IF isolation: 35 dB typical

RF to IF isolation: 22 dB typical

Input IP3: 18 dBm typical

Input P1dB: 11 dBm typical

Input IP2: 55 dBm typical

Passive double balanced topology

8-lead, 3 mm × 3 mm,
MINI_SO_EP

Application

Microwave radios

High performance radio local area network (HiperLAN) and unlicensed national information infrastructure (U-NII)

Industrial, scientific, and medical (ISM)

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



[HMC453ST89E](#)

Analog Devices, Inc
ST89E



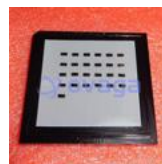
[HMC441LP3E](#)

Analog Devices, Inc
QFN-16



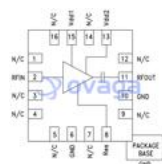
[HMC948LP3E](#)

Analog Devices, Inc
LP3



[HMC490](#)

Analog Devices, Inc
SMD



[HMC618ALP3E](#)

Analog Devices, Inc
QFN-16