
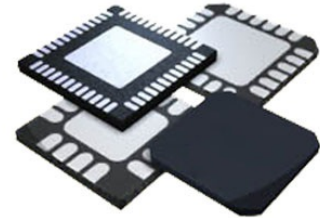


Up/Down Conv Mixer 20GHz 12-Pin CLLCC EP T/R

Manufacturer:	Analog Devices, Inc
Package/Case:	QFN
Product Type:	RF Integrated Circuits
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The HMC554ALC3B is a general-purpose, double balanced mixer in a leadless RoHS compliant leadless chip carrier (LCC) package that can be used as an upconverter or downconverter between 10 GHz and 20 GHz. This mixer is fabricated in a gallium arsenide (GaAs) metal semiconductor field effect transistor (MESFET) process and requires no external components or matching circuitry. The HMC554ALC3B provides excellent local oscillator (LO) to RF and LO to intermediate frequency (IF) isolation due to optimized balun structures. The RoHS compliant HMC554ALC3B eliminates the need for wire bonding and is compatible with high volume surface-mount manufacturing techniques.

Key Features

Conversion loss: 8.5 dB
 LO to RF Isolation: 37 dB
 Input IP3: 20 dBm
 RoHS compliant, 2.90 mm × 2.90 mm, 12-terminal LCC package

Application

Microwave and very small aperture terminal (VSAT) radios
 Test equipment
 Military electronic warfare (EW); electronic countermeasure (ECM); and command, control, communications and intelligence (C3I)

Recommended For You

HMC624ALP4E

Analog Devices, Inc

QFN24

HMC952ALP5GE

Analog Devices, Inc

QFN

HMC361S8GE

Analog Devices, Inc

SOP-8

HMC253AQS24E

Analog Devices, Inc

QFN

HMC346MS8G

Analog Devices, Inc

MSOP8

HMC1119LP4ME

Analog Devices, Inc

QFN

HMC659LC5

Analog Devices, Inc

QFN

HMC909LP4E

Analog Devices, Inc

QFN

HMC564LC4

Analog Devices, Inc

QFN

HMC1021LP4E

Analog Devices, Inc

QFN

HMC241AQS16E

Analog Devices, Inc

SSOP16

HMC424LP3E

Analog Devices, Inc

QFN

HMC662LP3E

Analog Devices, Inc

QFN

HMC8038LP4CE

Analog Devices, Inc

QFN16

HMC363S8G

Analog Devices, Inc

SOP8