
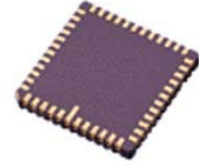


Up/Down Conv Mixer 32GHz 12-Pin CLLCC EP T/R

Manufacturer:	Analog Devices, Inc
Package/Case:	12-LeadLCC(2.9mmx2.9
Product Type:	RF Integrated Circuits
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The HMC329ALC3B is a general-purpose, double balanced mixer in a leadless, RoHS compliant, surface-mount technology (SMT) package that can be used as an upconverter or down-converter between 24 GHz and 32 GHz. This mixer is fabricated in a gallium arsenide (GaAs), monolithic microwave integrated circuit (MMIC) process and requires no external components or matching circuitry. The HMC329ALC3B provides excellent local oscillator (LO) to radio frequency (RF) and LO to intermediate frequency (IF) suppression due to optimized balun preliminary structures. The mixer operates with LO amplitude above 9 dBm. The RoHS compliant HMC329ALC3B eliminates the need for wire bonding, allowing the use of surface-mount manufacturing techniques.

Key Features

Conversion loss (downconverter): 11 dB typical
 LO to RF isolation: 36.5 dB typical for 24 GHz to 30 GHz performance
 Input IP3 (downconverter): 20 dBm typical
 12-terminal, RoHS compliant, 3 mm × 3 mm LCC package

Application

Microwave and very small aperture terminal (VSAT) radios
 Test equipment
 Military electronic warfare (EW)
 Electronic countermeasure (ECM)
 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