
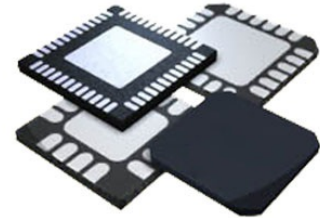


## Up/Down Conv Mixer 30GHz 12-Pin CLLCC T/R

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	QFN
<b>Product Type:</b>	RF Integrated Circuits
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The HMC292ALC3B is a general-purpose, double balanced, monolithic microwave integrated circuit (MMIC), mixer housed in a leadless Pb-free, RoHS compliant LCC package, that can be used as an upconverter or downconverter in the 14 GHz to 30 GHz frequency range. The HMC292ALC3B is ideally suited for applications where small size, no dc bias, and consistent IC performance are required. This mixer can operate over a wide local oscillator (LO) drive level of 9 dBm to 15 dBm. It performs equally well as a biphasic modulator or demodulator. The HMC292ALC3B eliminates the need for wire bonding, allowing use of surface-mount manufacturing techniques.

### Key Features

- Passive: no dc bias required
- Conversion loss: 9 dB typical
- Input IP3: 19 dBm typical
- LO to RF isolation: 48 dB typical
- Wide IF frequency range: dc to 8 GHz
- 12-terminal, 3 mm × 3 mm, RoHS compliant LCC package

### Application

- Microwave and very small aperture terminal (VSAT) radios
- Test equipment
- Point to point radios
- 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