
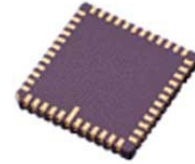


Up/Down Conv Mixer 8.5GHz 24-Pin CLLCC EP Cut Tape

Manufacturer:	Analog Devices, Inc
Package/Case:	LCC4x4
Product Type:	RF Integrated Circuits
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The HMC525ALC4 is a compact gallium arsenide (GaAs), monolithic microwave integrated circuit (MMIC), in phase quadrature (I/Q) mixer in a 24-terminal, RoHS compliant, ceramic leadless chip carrier (LCC) package. The device can be used as either an image reject mixer or a single sideband (SSB) upconverter. The mixer uses two standard double balanced mixer cells and a 90° hybrid fabricated in a GaAs, metal-semiconductor field effect transistor (MESFET) process. The HMC525ALC4 is a much smaller alternative to a hybrid style image reject mixer and a SSB upconverter assembly. The HMC525ALC4 eliminates the need for wire bonding, allowing the use of surface-mount manufacturing techniques.

Key Features

- Passive: no dc bias required
- Conversion loss: 8 dB typical
- Input IP3: 20 dBm (typical)
- LO to RF isolation: 47 dB (typical)
- IF frequency range: dc to 3.5 GHz
- RoHS compliant, 24-terminal, 4 mm × 4 mm LCC package

Application

- Microwave and very small aperture terminal radios
- Test equipment
- Point to point radios
- Military electronic warfare; electronic countermeasure; and command, control, communications, and intelligence

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