


Up/Down Conv Mixer 86GHz Automotive 3-Pin Die Tray

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



Images are for reference only

[Inquiry](#)

General Description

The HMC1058 is a sub-harmonically pumped MMIC mixer. It can be used as an upconverter or a downconverter, with DC to 12 GHz at the IF port and 71 to 86 GHz at the RF port. This passive MMIC mixer is fabricated with GaAs Shottky diode technology. All bond pads and the die backside are Ti/Au metallized and the Shottky devices are fully passivated for reliable operation. All data shown herein is measured with the chip in a 50 Ohm environment and contacted with RF probes.

Key Features

- Passive: No DC Bias Required
- Low LO Power: 9 dBm
- High LO/RF Isolation: 28 dB
- High 2LO/RF Isolation: 43 dB
- Wide IF Bandwidth: DC to 12 GHz
- Upconversion & Downconversion Applications
- Die Size: 1.15 x 0.97 x 0.1 mm

Application

- E-Band Communications Systems
- Test Equipment & Sensors
- Military End Use
- Automotive Radar

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