


## Up/Down Conv Mixer 12GHz 20-Pin QFN EP 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

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### General Description

The HMC1056LP4BE is a compact I/Q MMIC mixer in a leadless “Pb free” SMT package, which can be used as either an Image Reject Mixer or a Single Sideband Upconverter. The mixer utilizes two standard Hittite double balanced mixer cells and a 90 degree hybrid fabricated in a GaAs Schottky diode process. A low frequency quadrature hybrid was used to produce a 100MHz LSB IF output. This product is a much smaller alternative to hybrid style Image Reject Mixers and Single Sideband Upconverter assemblies. The HMC1056LP4BE eliminates the need for wire bonding and allows the use of surface mount manufacturing techniques.

### Key Features

- Wide IF Bandwidth: DC - 4 GHz
- Image Rejection: 25 dBc
- LO to RF isolation: 40 dB
- High Input IP3: 18 dBm
- 20 Lead 4x4 mm SMT Package 16 mm<sup>2</sup>

### Application

- Point-to-Point and Point-to-Multi-Point Radio
- Military Radar, EW & ELINT
- Satellite Communications
- Sensors



## Recommended For You

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### **HMC624ALP4E**

Analog Devices, Inc  
QFN24

### **HMC952ALP5GE**

Analog Devices, Inc  
QFN

### **HMC361S8GE**

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SOP-8

### **HMC253AQS24E**

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### **HMC346MS8G**

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MSOP8

### **HMC1119LP4ME**

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### **HMC659LC5**

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### **HMC909LP4E**

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### **HMC564LC4**

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### **HMC1021LP4E**

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### **HMC8038LP4CE**

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