

matched to 50 Ohms making it ideal for integration into Multi-Chip-Modules (MCMs).

[1] Board loss subtracted out for gain, power and noise figure measurements.

Applications

- Point-to-Point Radios
- Point-to-Multi-Point
- ... [Show More..](#)

Comparable Parts | [Click to see all in Parametric Search](#)

Product Lifecycle

 Production

At least one model within this product family is in production and available for purchase. The product is appropriate for new designs but newer alternatives may exist.

Evaluation Kits (1)

EVAL-HMC635LC4 | HMC635LC4 Evaluation Board

Documentation

5 See All

1 Data Sheets

4 Application Notes

HMC635LC4 Data Sheet

PDF  
693.88 K

AN-1363: Meeting Biasing Requirements of Externally Biased RF/Microwave Amplifiers with Active Bias Controllers (Rev. 0)

PDF  
804.11 K

MMIC Amplifier Biasing Procedure Application Note

PDF  
435.1 K

Broadband Biasing of Amplifiers General Application Note

PDF  
433.77 K

Thermal Management for Surface Mount Components General Application Note

PDF  
189.99 K

Tools & Simulations

HMC635LC4 S-Parameters PDF

693.88 K

Reference Designs (1)

CN0390

20 GHz to 37.5 GHz, RF Automatic Gain Control (AGC) Circuit

Reference Materials

3 See All

2 Quality Documentation

1 Tape & Reel Specification

Quality Documentation

**Package/Assembly Qualification  
Test Report: LC5, LC5A (QTR:  
2014-00384 REV: 01)**

Quality Documentation

**Semiconductor Qualification  
Test Report: PHEMT-F (QTR:  
2013-00269)**

Tape & Reel Specification

**4 x 4 mm QFN  
Specification: HMC635LC4, L**

Design Resources

ADI has always placed the highest emphasis on delivering products that meet the maximum levels of quality and reliability. We achieve this by incorporating quality and reliability checks in every scope of product and process design, and in the manufacturing process as well. "Zero defects" for shipped products is always our goal.

[HMC635LC4 Material Declaration](#)

[PCN-PDN Information](#)

[Quality And Reliability](#)


[Symbols and Footprints](#)

Discussions

HMC635LC4 Discussions

[Footprint modifications to HMC635LC4 for 40 GHz](#)

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Sample & Buy

Model	Package	Pins	Temp Range	Packing Qty	Price (100-499)	Price (1000+)	RoHS	Order from Analog Devices
HMC635LC4 <a href="#">Request PCN/PDN Notification</a> Production	24 ld LCC (4x4mm w/2.5mm EP)	24	-55 to 85C	Reel, 50		-	Y <a href="#">Info</a>	<a href="#">Sample</a> <a href="#">Purchase</a>
HMC635LC4TR <a href="#">Request PCN/PDN Notification</a> Production	24 ld LCC (4x4mm w/2.5mm EP)	24	-55 to 85C	Reel, 100		-	Y <a href="#">Info</a>	<a href="#">Purchase</a>
HMC635LC4TR-R5 <a href="#">Request PCN/PDN Notification</a> Production	24 ld LCC (4x4mm w/2.5mm EP)	24	-55 to 85C	Reel, 500		-	Y <a href="#">Info</a>	<a href="#">Purchase</a>

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[Price Table Help](#)

Evaluation Boards

Pricing displayed is based on 1-piece.

Model	Description	RoHS	
122763-HMC635LC4 Production	Evaluation Board - HMC635LC4 Evaluation PCB		Yes

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