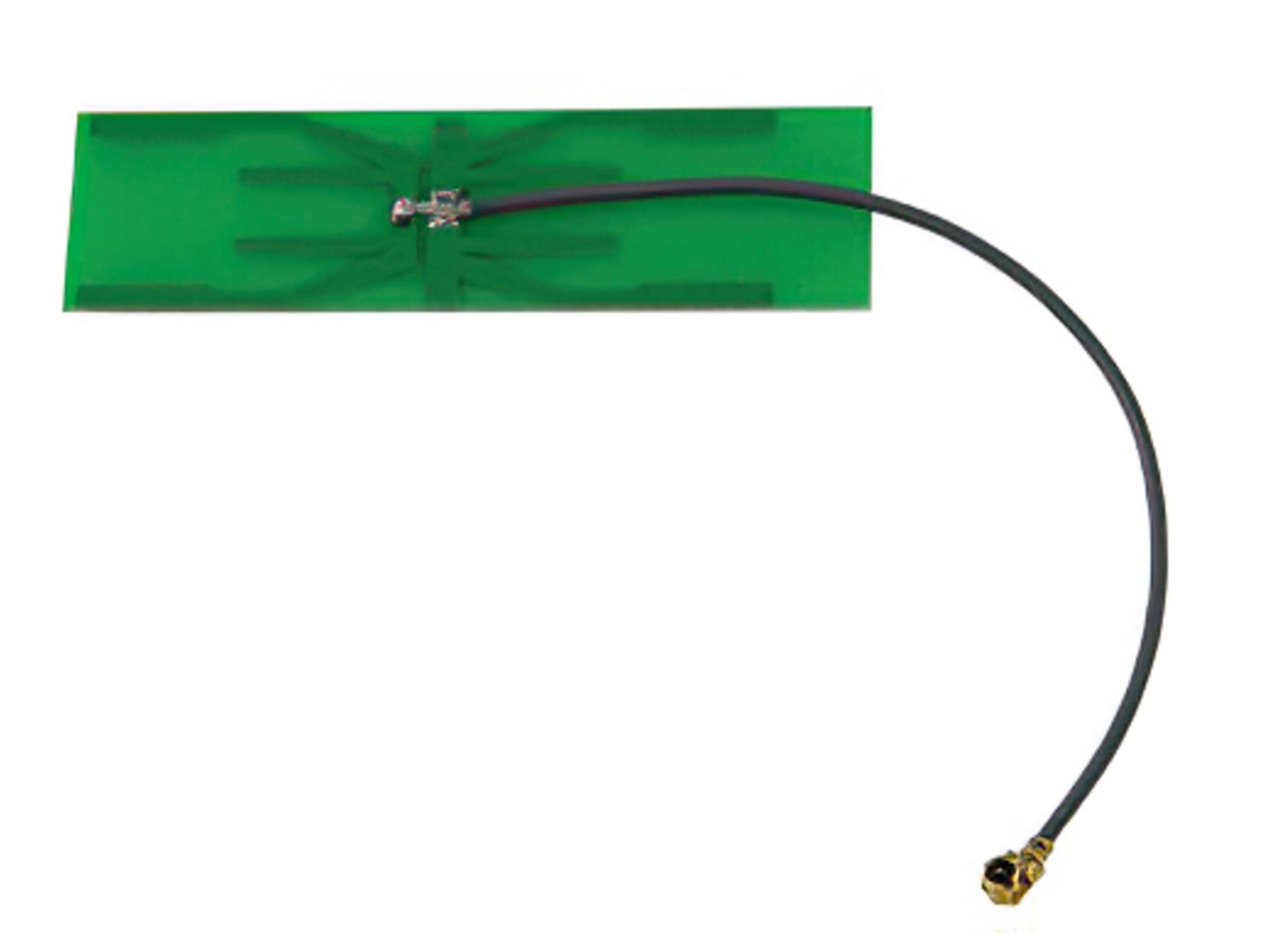


3 dBi DualBand Embedded PCB Antenna 2,400-5,900 MHz UMCX Connector



Antennas Technical Data Sheet

ET12974

Features

- Highly efficient printed circuit board (PCB) design
- Designed for omni-directional applications
- Low profile, compact size
- IPEX, U.FL, UMCX compatible connector

Applications

- Integrate into self contained wireless equipment
- Embedded applications requiring integration flexibility
- 2.4 GHz & 5 GHz WLAN

Description

The ET12974 is a dual band 2.4/5.8 GHz omni-directional antenna designed to directly integrate into devices requiring wireless capability. By embedding these antennas directly into a device, the need for external antennas is eliminated. The omni-directional design of the ET12974 makes it ideal for multipoint and mobile wireless systems since it provides 360 degree of coverage. This antenna features a 1.13mm coax lead terminated with a U.FL/IPX connector. Custom cable lengths and connector options are also available.

Configuration

Design

Application Band WLAN||MIMO

Band Type Dual

Radiation Pattern

Omni Directional

Polarization

Vertical or Horizontal

Cable Type 1.13mm

Cable Length 3.38 in [85.85 mm]

Connector Type

Number of Ports

UMCX Plug

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		5,900	GHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		3		dBi
Gain			6	dBi

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2,400-2,500	5,100-5,900				MHz
Gain	3	6				dBi
Horizontal Beam Width	360	226				Degees
Vertical Beam Width	55	54				Degees
Maximum Input Power	10					Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 3 dBi DualBand Embedded PCB Antenna 2,400-5,900 MHz UMCX Connector ET12974

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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Mechanical Specifications

Size

 Overall Length
 1.6 in [40.64 mm]

 Width
 0.7 in [17.78 mm]

 Height
 0.02 in [0.51 mm]

 Weight
 0.06 lbs [27.22 g]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

3 dBi DualBand Embedded PCB Antenna 2,400-5,900 MHz UMCX Connector from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/3-dbi-dualband-embedded-pcb-antenna-2-400-5-900-mhz-umcx-connect or-0012974

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

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