





Antennas Technical Data Sheet

ET12976

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
- 800 MHz & 900 MHz

Description

The ET12976 is a 900 MHz 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 ET12976 makes it ideal for multipoint and mobile wireless systems since it provides 360° 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 RFID||LPWAN||ISM

Band Type Single

Radiation Pattern Omni Directional

Polarization
Cable Type
Cable Length
Connector Type

Vertical
1.13mm
3 in [76.2 mm]
UMCX Plug

Number of Ports

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	860		960	MHz
Input VSWR		3:1	3:1	
Impedance		50		Ohms
Gain		2		dBi

Specifications by Band

Band 1	Band 2	Band 3	Band 4	Band 5	Units
860-960					MHz
360					Degees
58					Degees
	860-960	860-960 360	860-960 360	860-960 360	860-960 360

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2 dBi Embedded PCB Antenna 860-960 MHz UMCX Connector ET12976







Antennas Technical Data Sheet

ET12976

Mechanical Specifications

Radome Material ABS

Size

 Overall Length
 2.11 in [53.59 mm]

 Width
 1.61 in [40.89 mm]

 Height
 0.06 in [1.52 mm]

 Weight
 0.06 lbs [27.22 g]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

2 dBi Embedded PCB Antenna 860-960 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2 dBi Embedded PCB Antenna 860-960 MHz UMCX Connector ET12976

URL: https://www.ebeestock.com/2-dbi-embedded-pcb-antenna-860-960-mhz-umcx-connector-0012976

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.

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

