

Embedded 2.4 GHz Flex PCB Antenna, 2 dBi gain, IPEX Connector



HG2402FPU-100IPEX

Features

- Highly efficient flex printed circuit board (PCB) design
- Designed for omni-directional applications
- Low profile, compact size
- IPEX connector

Applications

- Integrate into self contained wireless equipment
- Embedded applications requiring integration flexibility
- 2.4 GHz WLAN and Bluetooth

Description

The HG2402FPU-100IPEX is an omnidirectional antenna designed to integrate into devices requiring wireless capability. By embedding these antennas directly into a device, the need for external antennas is eliminated. The omni-directional radiation pattern makes it ideal for multipoint and mobile wireless systems.

Configuration

Polarization	Vertical
Cable Type	1.13mm
Connector Type	IPEX
Housing Material and Plating	Polymer

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		2,500	MHz
Input VSWR			2:01	
Impedance		50		Ohms
Gain			2.6	
Input Power			5	Watts

Mechanical Specifications

Housing Material	Polymer
Size	
Length	1.06299213 in [27 mm]
Width	0.70866142 in [18 mm]
Height	0.00629921 in [0.16 mm]

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Storage Range	-40 to +85 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Embedded 2.4 GHz Flex PCB Antenna, 2 dBi gain, IPEX Connector HG2402FPU-100IPEX](#)

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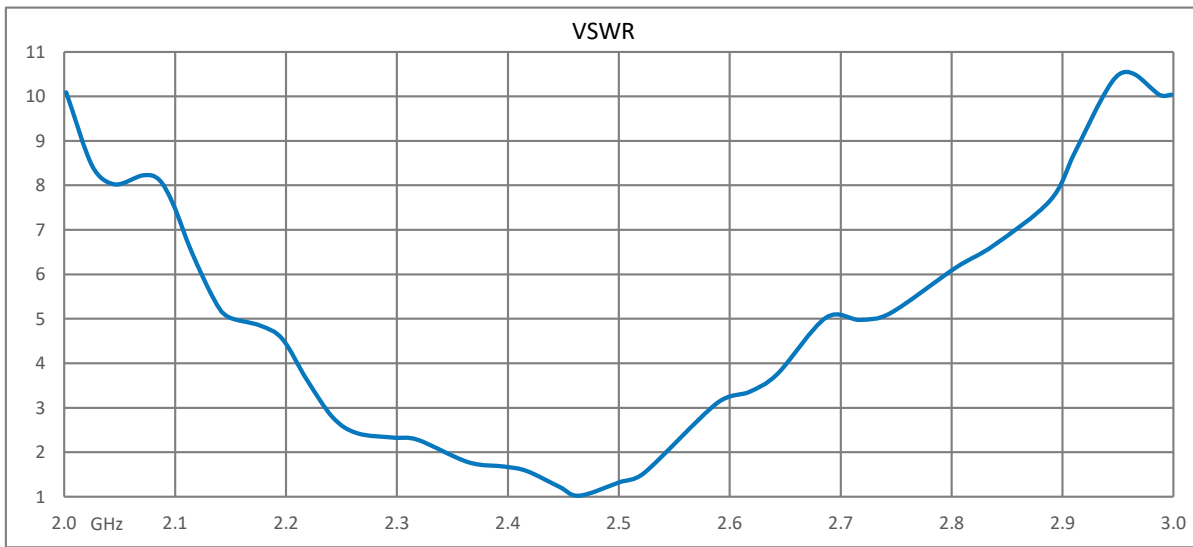


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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

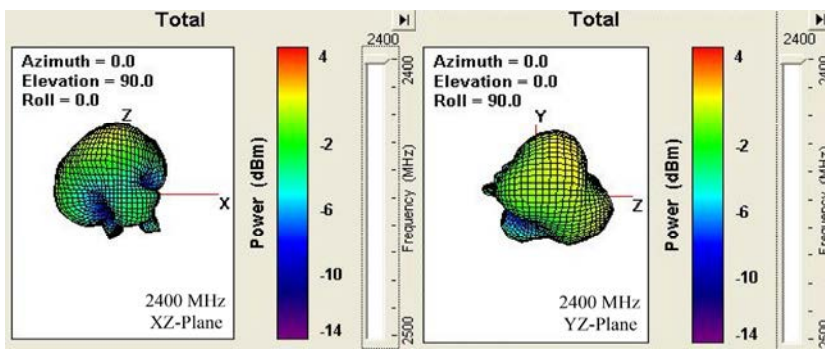
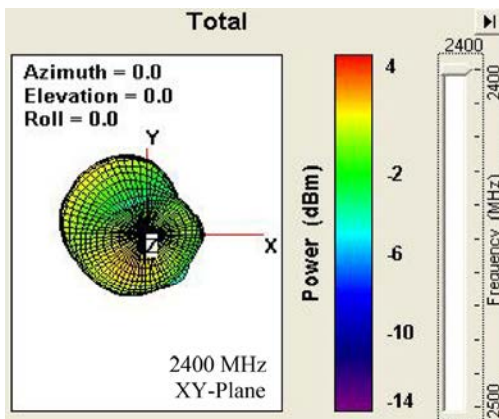


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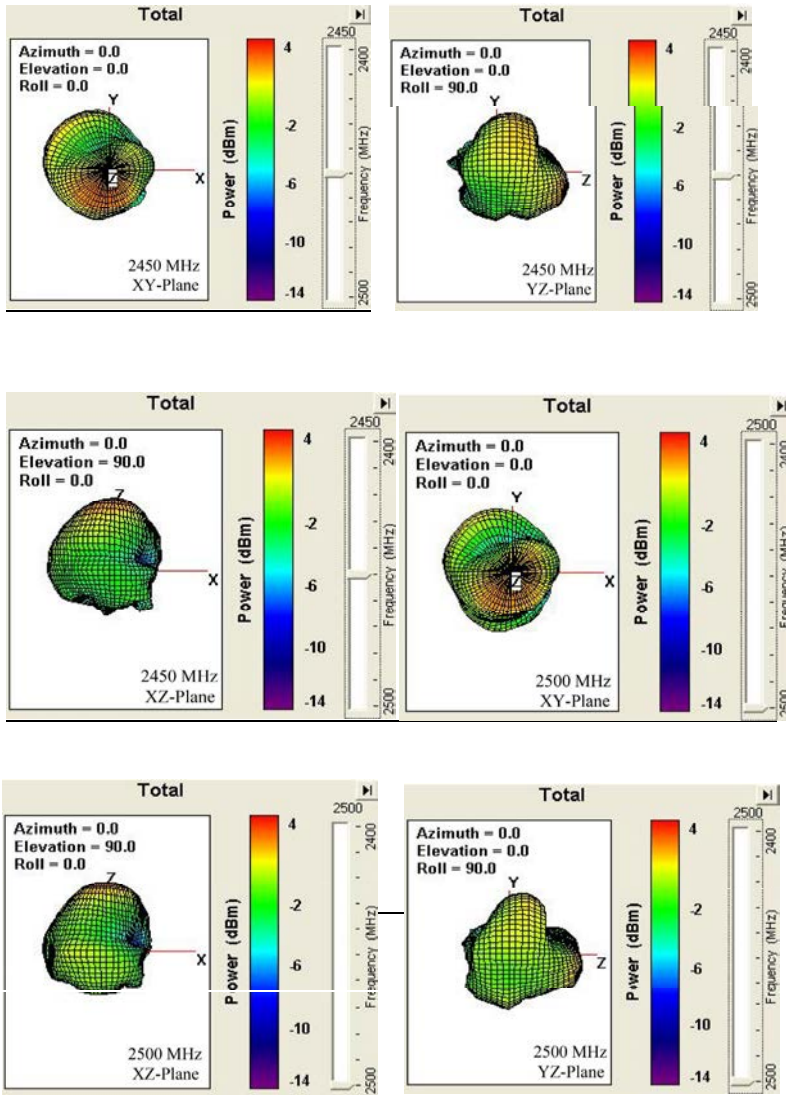
Frequency	2400	2450	2500
TQ1 Note	ANT		
Efficiency (dB)	-2.90	-1.97	-1.81
Efficiency (%)	51.23	63.59	65.98
Gain (dBi)	1.73	2.68	2.37



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Embedded 2.4 GHz Flex PCB Antenna, 2 dBi gain, IPEX Connector from L-com has same day shipment for domestic and International

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orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within 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 impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing

