Embedded 2.4 GHz PCB Antenna, 2 dBi gain, IPEX Connector, 23mm x 7.5 mm

HG2403PU2-100IPEX

Features

- Highly efficient 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 HG2403PU1-100IPEX 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

Cable Type	1.13mm
Connector Type	IPEX

Electrical Specifications

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

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Mechanical Specifications

Size

Length	1.015748 in [25.8 mm]
Width	0.519685 in [13.2 mm]

Environmental Specifications

Temperature

Operating Range	-20 to +65 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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 PCB Antenna, 2 dBi gain, IPEX Connector, 23mm x 7.5 mm HG2403PU2-100IPEX

Embedded 2.4 GHz PCB Antenna, 2 dBi gain,
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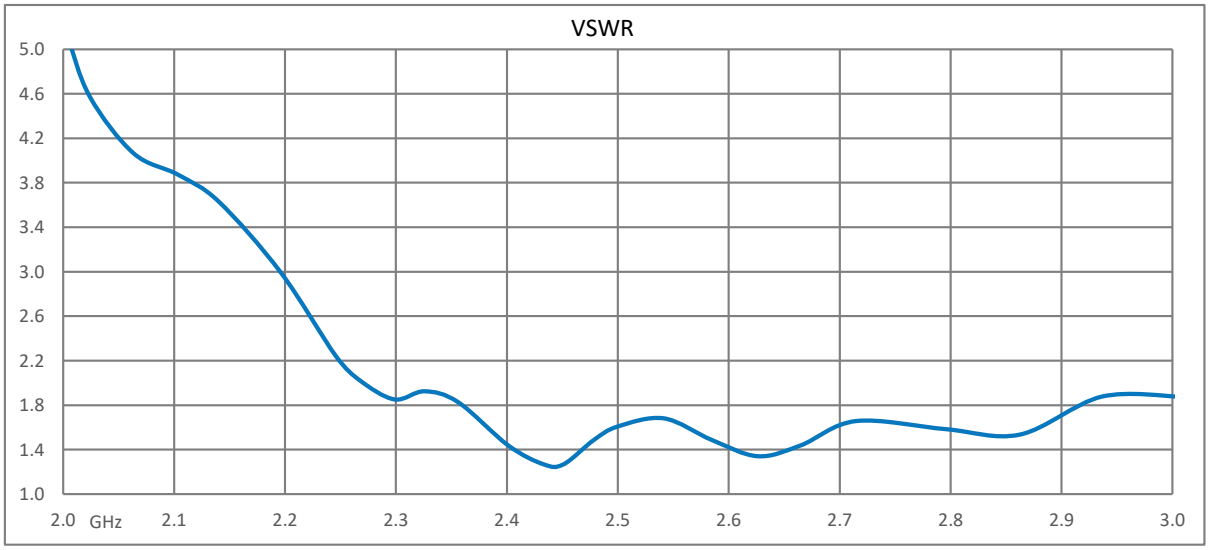

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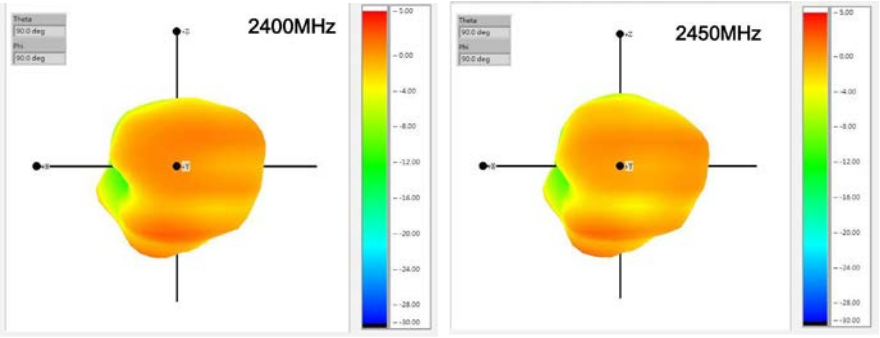
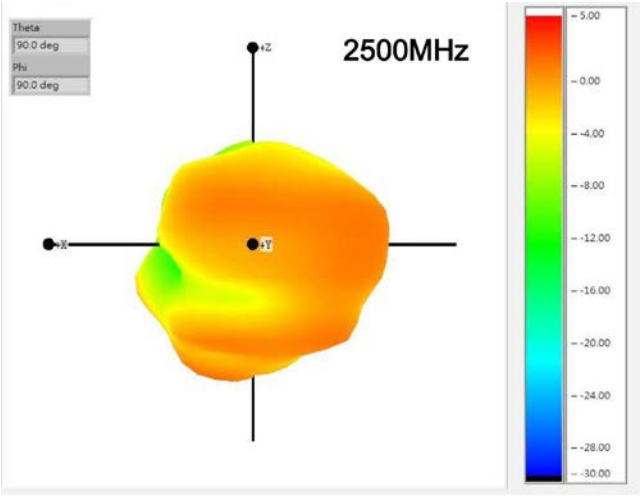
Frequency (MHz)	2400	2450	2500
Peak Gain (dBi)	2.12	2.39	2.28
Efficiency (dB)	-2.43	-2.61	-2.15
Efficiency (%)	57.1	54.84	61
Directivity (dBi)	4.6	5	4.4





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International 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.

L-com CAD Drawing