

4.5 dBi MultiBand Embedded PCB Antenna 2,400-5,900 MHz UMCX Connector



Antennas Technical Data Sheet

PE51203

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 PE51203 is a multiband 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

Design PCB Band Type Multi

Radiation Pattern Omni Directional

Polarization Vertical Cable Type 1.13mm

Cable Length 3.937 in [100 mm]
Connector Type UMCX Plug
Number of Ports 1

Housing Material and Plating

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		5,900	GHz
nput VSWR			2.5:1	
mpedance		50		Ohms
Gain		4.5		dBi
Gain	2.5			dBi
nput Power			5	Watts

Polymer

Specifications by Band

Descri	ption	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range		2,400-2,500	4,900-5,900				MHz
Gain		2.5	4.5				dBi

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4.5 dBi MultiBand Embedded PCB Antenna 2,400-5,900 MHz UMCX Connector PE51203

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com



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Mechanical Specifications

Housing Material Polymer

Size

 Overall Length
 1.65354331 in [42 mm]

 Width
 0.26377953 in [6.7 mm]

 Height
 0.00629921 in [0.16 mm]

Environmental Specifications

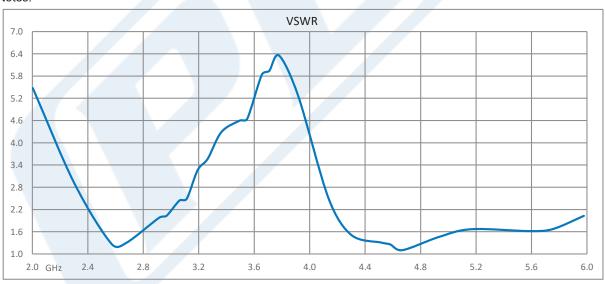
Temperature

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

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



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URL: https://www.pasternack.com/multi-antenna-2.4-5.9-ghz-4.5-dbi-gain-umcx-pe51203-p.aspx

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