

2.4 GHz/900 MHz 3 dBi Omni Antenna - NMO Connector



Antennas Technical Data Sheet

PE510M1022

Features

- Can be used with 2.4 GHz and 900 MHz systems
- TAD/NMO Mounting System

· Weather-Proof

Applications

- 802.11b, 802.11g, 802.11n and Bluetooth® compatible (2.4 GHz Band)
- 2.4 GHz and 900 MHz Wireless Video Systems
- Multipoint and Mobile Applications
- ISM, GSM, RFID, 900 MHz Cellular compatible (900 MHz Band)

Description

This very compact mobile-mount dual band omni antenna is designed to operate in 2.4 GHz or 900 MHz bands and provides broad coverage and 3 dBi gain. The Dual-Band design of this antenna eliminates the need to purchase different antennas for each frequency. In the 2.4 GHz ISM band, it is ideally suited for ISM, IEEE 802.11b, 802.11g and 802.11n wireless LANs, Bluetooth® and other WLAN applications where omni-directional coverage and low visibility are desired. In the 900 MHz band, this antenna is ideally suited for ISM, GSM and RFID applications as well as 900MHz wireless LAN and Cellular systems.

This RF antenna is only 2.7" long and features an aesthetic black finish. It is designed with a standard TAD/NMO Motorolatype connection that allows for ease of installation to similar TAD/NMO mounting systems. Because of its near-invisible design this antenna is ideal for use on vehicles where vandal-resistance and aesthetics are important.

Configuration

Design Mobile
Band Type Dual
Radiation Pattern Omni D

Radiation Pattern

Polarization

Connector Type

Omni Directional

Vertical

NMO Mount

Number of Ports

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	900		2,500	MHz
Impedance		50		Ohms
Gain		3		dBi
Input Power			50	Watts

Specifications by Band

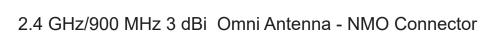
Band 1	Band 2	Band 3	Band 4	Band 5	Units
0.9 to 0.96	2.4 to 2.5				GHz
360	360				Degrees
60					Degrees
	50				
	0.9 to 0.96 360	0.9 to 0.96 2.4 to 2.5 360 360 60	0.9 to 0.96 2.4 to 2.5 360 360 60	0.9 to 0.96	0.9 to 0.96

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2.4 GHz/900 MHz 3 dBi Omni Antenna - NMO Connector PE51OM1022

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

Radome Material ABS

Size

 Overall Length
 3 in [76.2 mm]

 Width
 1.4 in [35.56 mm]

 Height
 1.4 in [35.56 mm]

 Weight
 0.2 lbs [90.72 g]

Environmental Specifications

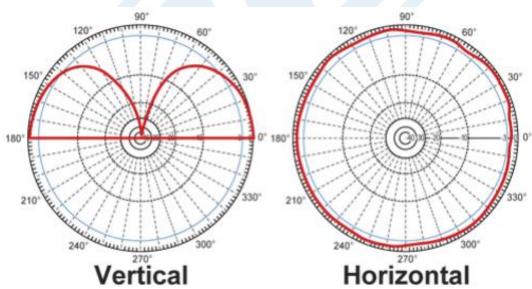
Temperature

Operating Range -40 to +85 deg C Wind Loading 150 MPH [241.4 KPH]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



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URL: https://www.pasternack.com/dual-antenna-3-dbi-gain-nmo-mount-pe51om1022-p.aspx

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PE51OM1022 CAD Drawing 2.4 GHz/900 MHz 3 dBi Omni Antenna - NMO Connector

