PASTERNACK
an INFINITE brand

2.4 GHz/900 MHz 3 dBi Omni Antenna w/ Magnetic Mount RP-SMA Connector



Antennas Technical Data Sheet PE51MO1002

Features

- Superior performance
- Compact size
- Can be used with 2.4 GHz and 900 MHz systems
- Weather-proof
- Fixed mounts available
- Magnetic base with 10 ft. high performance low-loss 195-series cable
- RoHS Compliant

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 yet high performance Dual Band mobile WiFi antenna is ideally suited for multipoint mobile applications including service vehicles, public transportation, law enforcement, mining and construction vehicles, as well a numerous other commercial and industrial applications where mobility and wide coverage is desired.

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 compact antenna features a standard TAD/NMO Motorola-type mobile base coupled with a magnetic mounting system and 10 feet of high performance low-loss 195-Series cable. A fixed mount is also available for permanent installation through the roof or other vehicle surface.

Configuration

Design	Mobile
Band Type	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical
Cable Type	195 series
Cable Length	120 in [304.8 cm]
Connector Type	SMA Plug Reverse Polarity
Number of Ports	1
Housing Material and Plating	Powder Coat

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		3		dBi
Input Power			50	Watts

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 w/ Magnetic Mount RP-SMA Connector PE51MO1002

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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Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	900-960	2,400-2,500				MHz
Gain	3	3				dBi
Horizontal Beam Width	360					Degees
Vertical Beam Width	40					Degees
Maximum Input Power	50					Watts

Mechanical Specifications

Radome Material	ABS
Housing Plating/Color	Powder Coat

Size

Base Diameter	3 in [76.2 mm]
Overall Length	3 in [76.2 mm]
Width	3 in [76.2 mm]
Height	3 in [76.2 mm]
Weight	1.2 lbs [544.31 g]

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Wind Loading	200 MPH [321.87 KPH]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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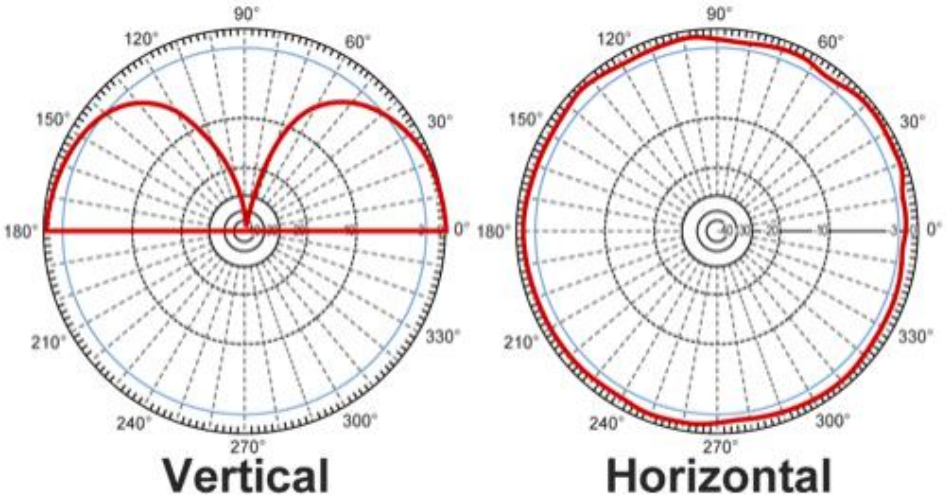
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Typical Radiation Pattern



2.4 GHz/900 MHz 3 dBi Omni Antenna w/ Magnetic Mount RP-SMA Connector from Pasternack 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.

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URL: https://www.pasternack.com/dual-antenna-3-dbi-gain-sma-pe51mo1002-p.aspx

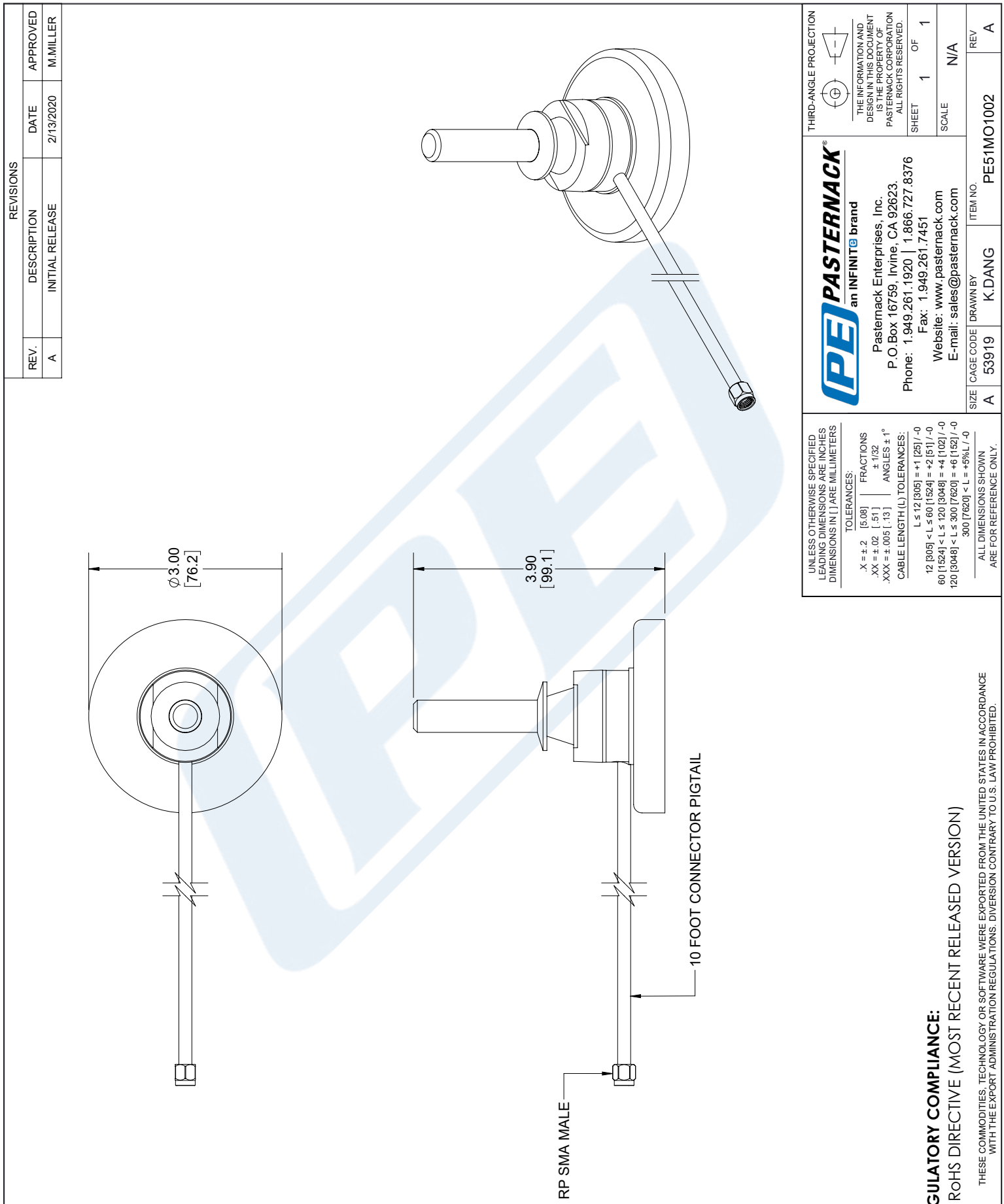
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PE51MO1002 CAD Drawing

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