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2.4-2.5 GHz and 5.1- 5.8 GHz Dual Band Rubber Duck Antenna



Antennas Technical Data Sheet PE51RD1005

Features

- 5.8 GHz wireless video and security systems
- Rugged composite radome
- Compact design
- Tilt and swivel design
- RP-SMA Plug connector

Applications

- 2.4 GHz, and 5.8 GHz band applications
- IEEE 802.11a/b/g/n and 802.11ac WiFi access points and routers
- 5.8 GHz ISM/UNII applications
- 5.8 GHz wireless video and security systems

Description

The HyperLink PE51RD1005 is a high performance Dual Band rubber-duck antenna designed to operate in 2.4 GHz to 2.5 GHz or 5.1 GHz to 5.9 GHz bands. The Dual Band design of this antenna eliminates the need to purchase different antennas for each frequency. It is ideally suited for IEEE 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac applications.

Measuring 8.6” long, this antenna features rugged composite blade style radome and a tilt-and-swivel reverse-polarity SMA connector. This allows it to be used vertically, at a right angle, or any angle in-between. It is suitable as a replacement RF antenna for many access points and radios that are equipped with reverse-polarity SMA connectors including D-Link®, Linksys® WET11 and others.

Application Note: This antenna is not for use with U.S.Robotics® RP-SMA equipped devices.

Configuration

Design	Rubber Duck
Band Type	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	SMA Plug Reverse Polarity
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR			2:1	
Impedance		50		Ohms
Gain		3		dBi

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2,400-2,483	5,100-5,900				MHz
Gain	5	5				dBi
Horizontal Beam Width	360	360				Degees
Vertical Beam Width	60	30				Degees

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 2.4-2.5 GHz and 5.1- 5.8 GHz Dual Band Rubber Duck Antenna PE51RD1005

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Mechanical Specifications

Radome Material	ABS

Size

Overall Length	8.6 in [218.44 mm]
Width	1 in [25.4 mm]
Weight	0.4 lbs [181.44 g]

Environmental Specifications

Temperature

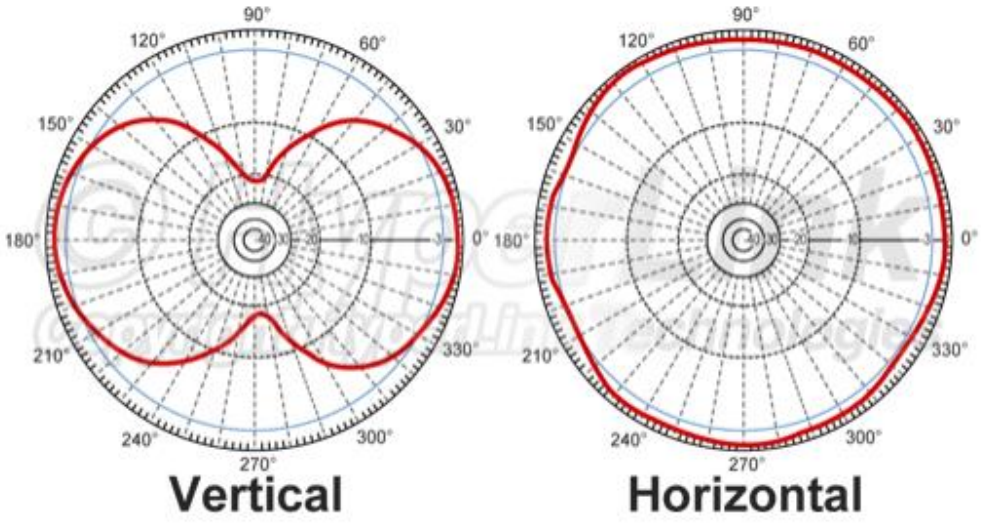
Operating Range	-30 to +60 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Radiation Pattern



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2.4-2.5 GHz and 5.1- 5.8 GHz Dual Band Rubber Duck Antenna 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-pe51rd1005-p.aspx

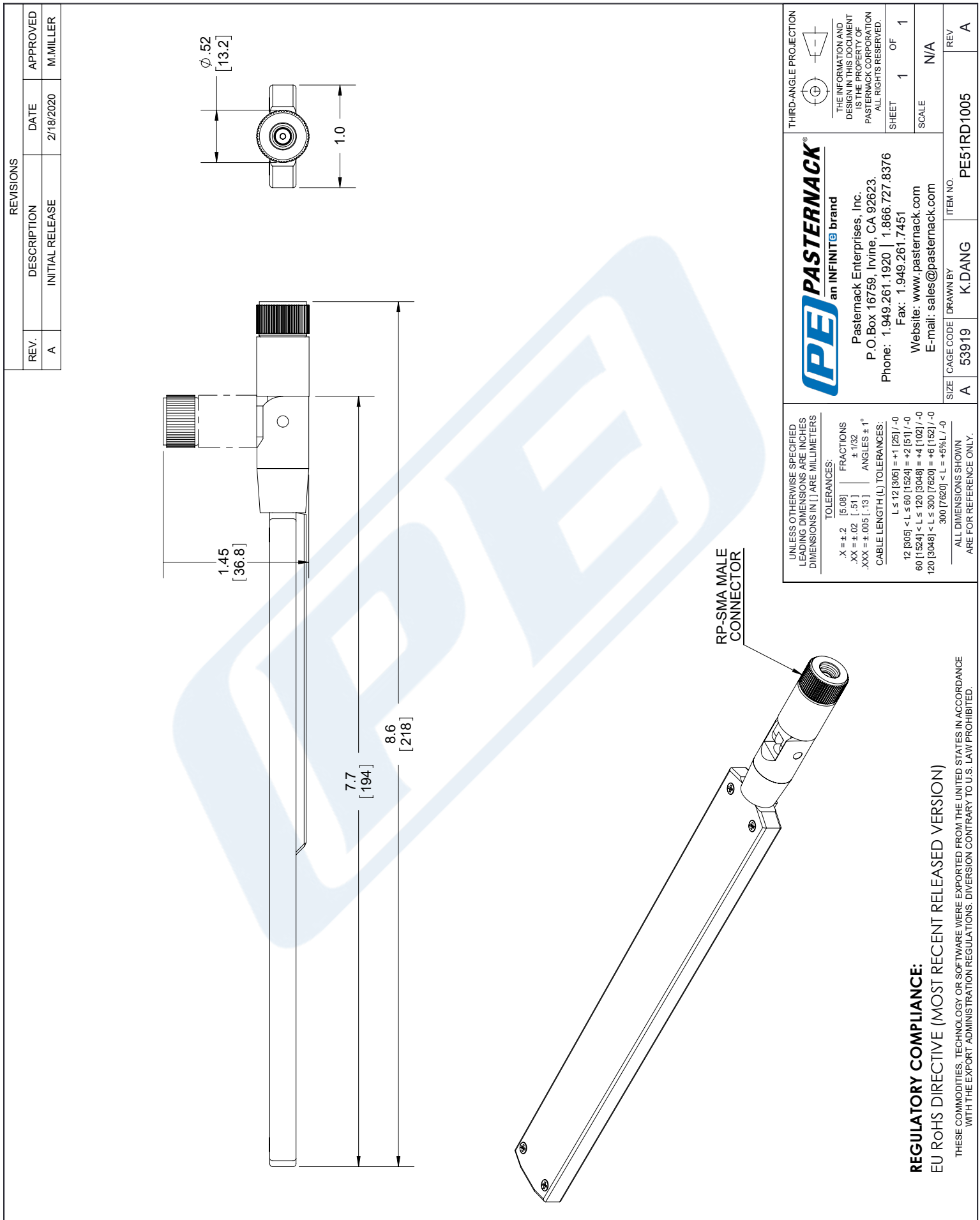
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PE51RD1005 CAD Drawing

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