

3 dBi Dipole Portable Antenna 2400-2500/4900-7125 MHz SMA Connector



Antennas Technical Data Sheet

PE51RD1025

Features

- Tilt and Swivel Design
- 2.4 GHz, 5 GHz, 6 GHz and 7 GHz Bands

- SMA Plug (Male) Connector
- 2.5 to 3.5 dBi Gain

Applications

- Infotainment Systems, Routers, WiFi Hotspots, HD Video Transmission, Gateways, Dash Cameras, Public Transportation
- WiFi 6e (802.11ax) Networks

- Connected Cars or Self-Driving Cars, Fleet Management, Logistics
- IoT, Cellular, Zigbee, Z-Wave, Bluetooth

Description

The PE51RD1025 Pasternack WiFi 6e Rubber Duck Antenna is a high performance, compact designed for 2.4, 5, 6 and 7 GHz bands. This tilt and swivel rubber duck antenna is available to ship the same day. It features a SMA Plug (Male) Connector. The PE51RD1025 can be used on all enterprise or commercial radios and access points that have SMA female connections. This SMA Male rubber duck antenna is suitable for WiFi Hotspots (IEEE 802.11ax/ac/n/b/g) as well as IoT, Bluetooth, and Zigbee.

The high performance Pasternack PE51RD1025 has 3 dBi of gain and broad coverage. This WiFi 6e 2400 to 7125 MHz rubber duck antenna is in stock and available to ship the same day. Contact our knowledgeable sales and technical support teams for your answers on any Pasternack products.

Configuration

Design	Portable
Band Type	Single
Radiation Pattern	Omni Directional
Wavelength	1/2
Polarization	Vertical
Connector Type	SMA Male

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2.4		7.125	GHz
Input VSWR		1.4:1	1.7:1	
Impedance		50		Ohms
Gain	2.6	3		dBi

Mechanical Specifications

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: [3 dBi Dipole Portable Antenna 2400-2500/4900-7125 MHz SMA Connector PE51RD1025](#)

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3 dBi Dipole Portable Antenna 2400-2500/4900-7125 MHz 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3 dBi Dipole Portable Antenna 2400-2500/4900-7125 MHz SMA Connector PE51RD1025](https://www.pasternack.com/single-antenna-2.4-2.5-ghz-3-dbi-gain-sma-pe51rd1025-p.aspx)

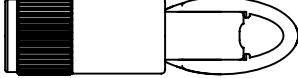
URL: <https://www.pasternack.com/single-antenna-2.4-2.5-ghz-3-dbi-gain-sma-pe51rd1025-p.aspx>

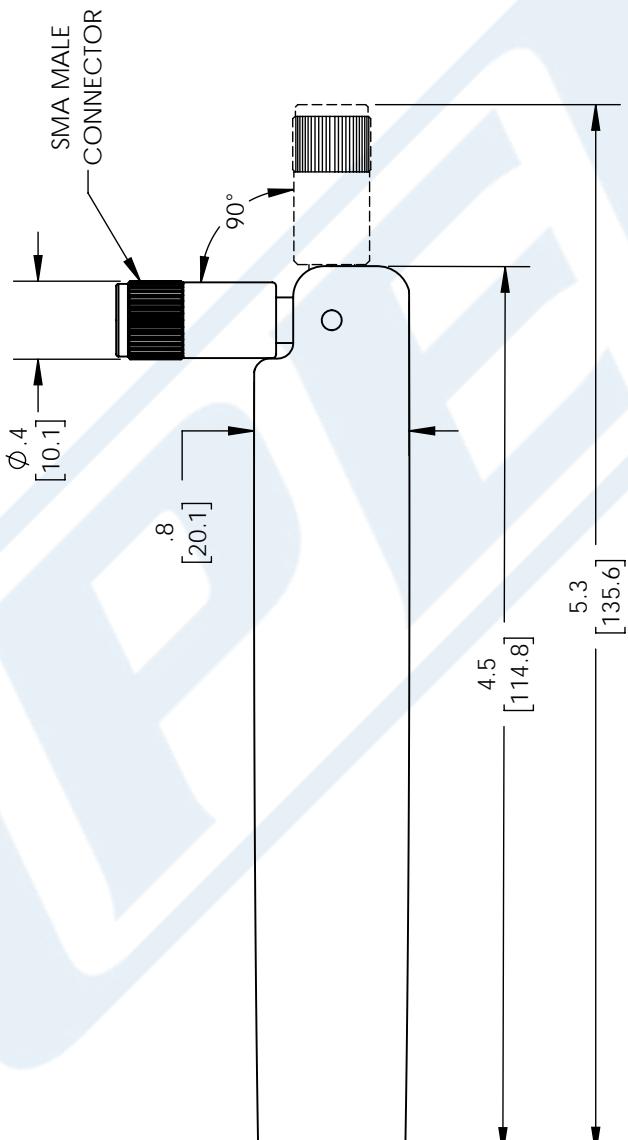
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE51RD1025 CAD Drawing

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REV. A				DESCRIPTION INITIAL RELEASE		DATE 10/08/2020	APPROVED KHIETPAS
REVISIONS							





UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 X = $\pm .2$ [5.08] FRACTIONS
 .XX = $\pm .02$ [.51] $\pm 1/32$
 .XXX = $\pm .005$ [.13] ANGLES $\pm 1^\circ$
 CABLE LENGTH (L) TOLERANCES:
 L ≤ 12 [305] = $+1[28]/-0$
 12 [305] $< L \leq 60$ [1524] = $+2[51]/-0$
 60 [1524] $< L \leq 120$ [3048] = $+4[102]/-0$
 120 [3048] $< L \leq 300$ [7620] = $+6[152]/-0$
 300 [7620] $< L \leq +58L / -0$
 - ALL DIMENSIONS SHOWN
 ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

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 an INFINITE brand

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