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

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 Zigbe.

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
Housing Material and Plating	ABS, Black

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		7,125	MHz
Input VSWR		1.4:1	1.7:1	
Impedance		50		Ohms
Gain	2.6	3		

Mechanical Specifications

Housing Material	ABS
Housing Plating/Color	Black

Size

Weight	0.19 lbs [86.18 g]

Environmental Specifications

Temperature

Operating Range	-30 to +65 deg C

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Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Radiation Pattern

Appendix

Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.

Gain: Antenna's average gain.

Front to Back Ratio @ 180°±30°: Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

Cross-polarization Ratio (dB): Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Dedicated to serving the needs of the Wireless Internet Service Provider (WISP) market, KP Performance Antennas offers purpose built products that reliably perform in the field. KP Performance Antennas product line consists of Yagi, Grid, Omni, Dish and other style antennas that operate in the 900 MHz, 2.4 GHz, 3 GHz, and 5 GHz frequencies.

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

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

PE51RD1025 CAD Drawing

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