PASTERNACK
an INFINITE brand

800/900 MHz 10 dBi Dual Slant Polarization Omni antenna

Antennas Technical Data Sheet PE51OM1021

Features

- High gain (10 dBi) 900 MHz dual port omni
- Dual slant polarization (±45°)
- Heavy duty steel mounting bracket
- 1 degree electrical down tilt
- Integral N-female connectors

Applications

- WLAN, LPLAN, SCADA, IoT, M2M, cellular, MIMO
- Oudoor installations
- Point-to-multipoint

Description

Dual-port omnidirectional antenna for 900 MHz point to multipoint applications. This antenna provides high performance for a variety of wireless applications in the 900 MHz band incuding WLAN, WPLAN, IoT, M2M and cellular.

Configuration

Band Type	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical/Horizontal
Cable Type	Coax lead
Connector Type	N Female
Connector Type Specification	Integral
Interface 2	N Female
Interface 2 Specification	Integral
Number of Ports	2

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	824		928	MHz
Input VSWR			1.7:1	
Impedance		50		Ohms
Gain		8.5		dBi
Input Power			100	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	824-928	900-928				MHz
Center Frequency	876					MHz
Gain	8.5	10				dBi
Horizontal Beam Width	360	360				Degees
Vertical Beam Width	15	15				Degees
VSWR Max 1.7:1	1.5:1					
Maximum Input Power	100	100				Watts

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 800/900 MHz 10 dBi Dual Slant Polarization Omni antenna PE51OM1021

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	Fiberglass
Size	
Overall Length	9.8 in [248.92 mm]
Width	9.8 in [248.92 mm]
Height	50.4 in [128.02 cm]
Mounting Mast Diameter	1.2 to 4.7 in [30.48 to 119.38 mm]
Weight	15 lbs [6.8 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +65 deg C
Wind Loading	130 MPH [209.21 KPH]
ESD Protection	IP55

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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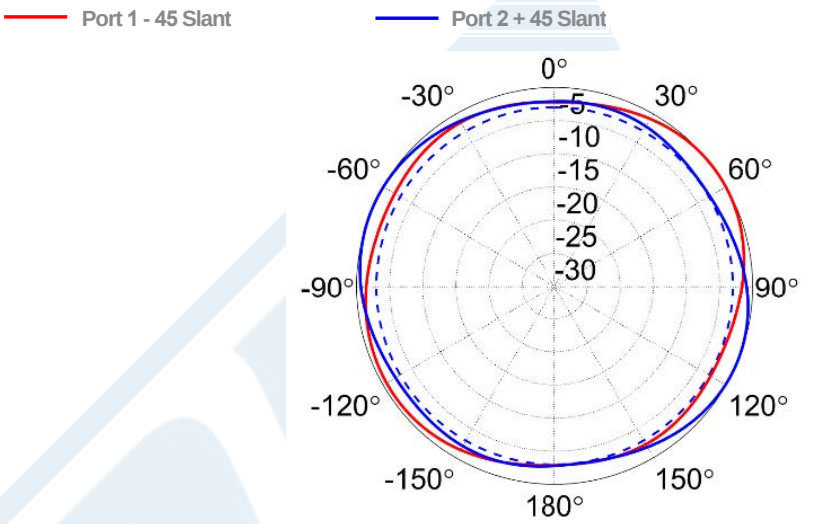
Horizontal (Azimuth) Pattern



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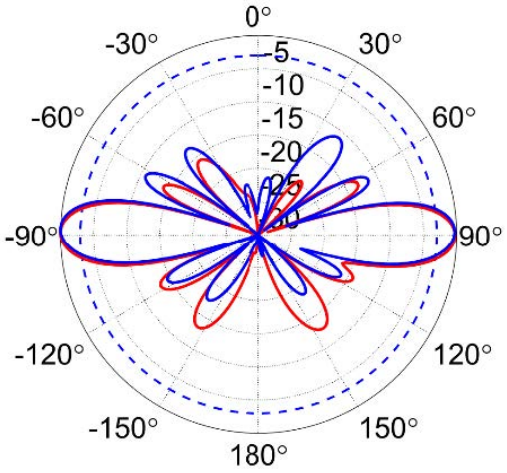
Vertical (Elevation) Pattern



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800/900 MHz 10 dBi Dual Slant Polarization Omni 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-824-928-mhz-8.5-dbi-gain-n-pe51om1021-p.aspx

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PE51OM1021 CAD Drawing

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