



2400-2500, 5150-7125 MHz Wi-Fi 6E Omni MIMO
Antenna, 6 dBi Gain, 8 N Type Male Connectors

Antennas Technical Data Sheet

PEANOM1063

Features

- N Type Male Connector
- 8 x Vertical Polarization
- 8x8 MIMO Functionality
- Outdoor Rated Omnidirectional Antenna
- 2.4 GHz, 5 GHz, 6 GHz Wi-Fi Bands
- 6 dBi gain

Applications

- Infotainment systems, Routers, Wi-Fi hotspots, HD video transmission, Gateways, Dash cameras, Public transportation
- Connected cars or self-driving cars, Fleet management, Logistics
- Public Safety Networks
- Zigbee, Bluetooth, Wi-Fi

Description

The PEANOM1063 Wi-Fi 6e Omni Antenna from Pasternack's is a high performance omnidirectional antenna designed for the 2400 MHz to 7125 MHz bands and is available to ship same day. It is a UV protected, outdoor rated antenna with omnidirectional pattern. The PEANOM1063 is ideally suited for 802.11 protocols including 802.11ax as well as Zigbee, Bluetooth and is 8x8 MIMO capable.

The Pasternack's high performance omni PEANOM1063 is a rugged antenna providing broad coverage, low latency, increased network capacity and 6 dBi gain. This 8 port N Male omnidirectional antenna is suitable for commercial radios and access points in public and private networks that are equipped with N Type connectors.

This Wi-Fi 6e PEANOM1063 omni antenna with 8 N Male connectors, as well as our wide selection of superior quality RF parts, ships same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other Pasternack's products.

Configuration

Design	Omni
Application Band	Wi-Fi 6E
Band Type	Dual
Radiation Pattern	Omnidirectional
Polarization	Vertical
Cable Type	RG58/U
Cable Length	36 in [914.4 mm]
Connector Type	N Male
Number of Ports	8

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		7,125	MHz
Input VSWR			2:1	
Impedance		50		Ohms
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: [2400-2500, 5150-7125 MHz Wi-Fi 6E Omni MIMO Antenna, 6 dBi Gain, 8 N Type Male Connectors PEANOM1063](#)

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Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4 to 2.5	5.15 to 7.125				GHz
Gain	6	6				dBi
Horizontal Beam Width	360	360				Degrees
Vertical Beam Width	45	30				Degrees

Mechanical Specifications

Radome Material

UV Resistant ABS

Size

Overall Length

6.7 in [170.18 mm]

Width

5.8 in [147.32 mm]

Height

5.8 in [147.32 mm]

Weight

1.814 lbs [822.82 g]

Color

White

Environmental Specifications

Temperature

Operating Range

-40 to +70 deg C

Wind Loading

124 MPH [199.56 KPH]

Humidity

5 to 95

Ingress Protection

IP54

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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2400-2500, 5150-7125 MHz Wi-Fi 6E Omni MIMO Antenna, 6 dBi Gain, 8 N Type Male Connectors 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.

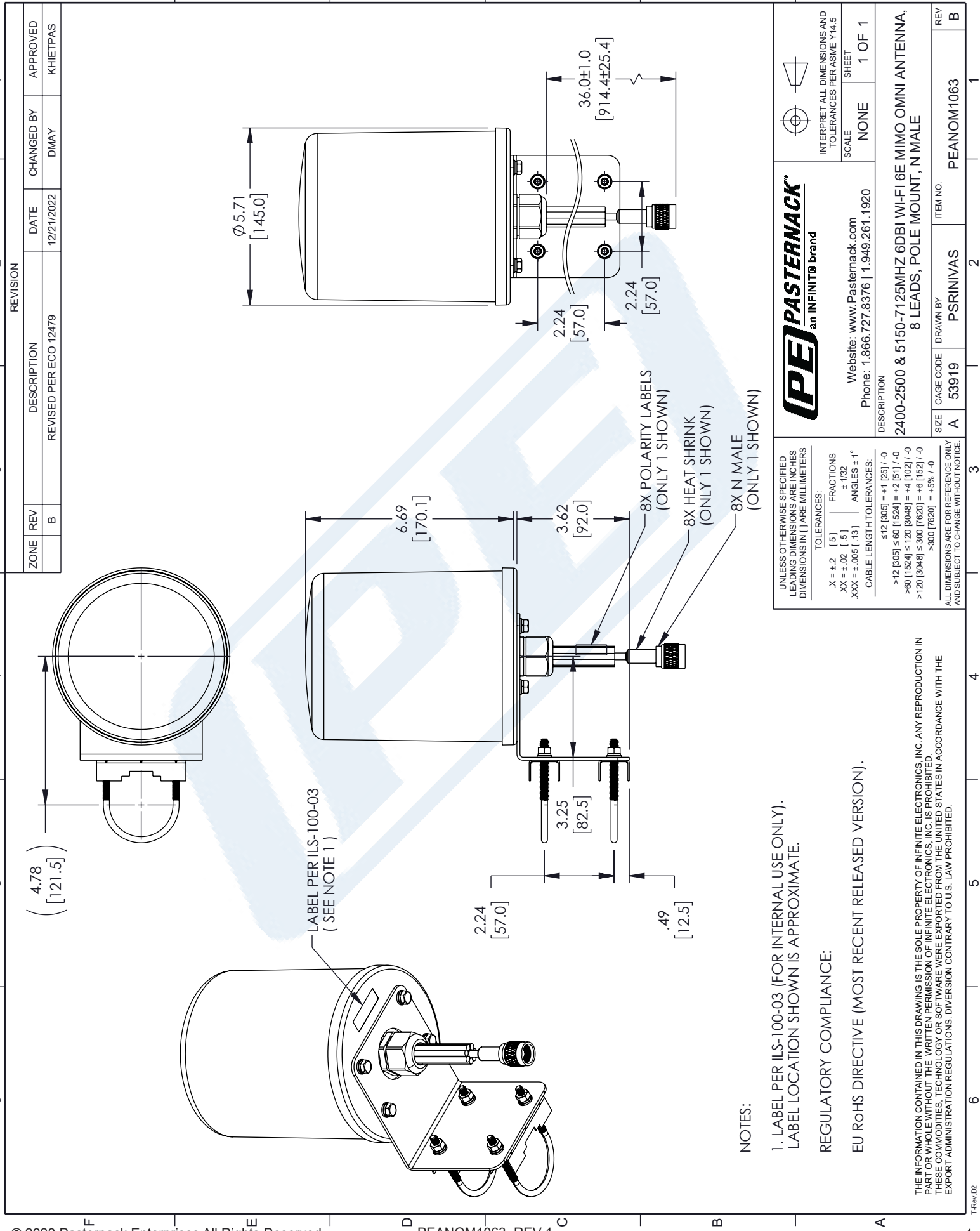
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PEANOM1063 CAD Drawing

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NOTES:

1. LABEL PER ILS-100-03 (FOR INTERNAL USE ONLY).
LABEL LOCATION SHOWN IS APPROXIMATE.

REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION).

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	
X = ±.2 [5]	FRACTIONS
XX = ±.02 [.5]	± 1/32
XXX = ±.005 [.13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
≤12 [305]	±.1 [25]
>12 [305] ≤ 60 [1524]	±.2 [51]
>60 [1524] ≤ 120 [3048]	±.4 [102]
>120 [3048] ≤ 300 [7620]	±.6 [152]
>300 [7620]	±.8 [203]
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	

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DESCRIPTION

2400-2500 & 5150-7125MHZ 6DBI WI-FI 6E MIMO OMNI ANTENNA,
8 LEADS, POLE MOUNT, N MALE

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