



2400-2500, 5150-5850, 6000-7125 MHz Flat Panel MIMO
Antenna, 11 dBi Gain, 8 RP SMA Male Connectors

Antennas Technical Data Sheet

PEANFP1043

Features

- Reverse Polarity SMA (RP-SMA) Male Connector
- 8 x Vertical Polarization
- 8x8 MIMO Functionality
- Outdoor Rated Flat Panel Antenna
- 2.4 GHz, 5 GHz, 6 GHz Wi-Fi Bands
- 11 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 PEANFP1043 Wi-Fi 6e Antenna from Pasternack's is a high performance directional 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 directional pattern. The PEANFP1043 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 PEANFP1043 is a rugged antenna providing broad coverage, low latency, increased network capacity and 11 dBi gain. This 8 port RPSMA Male directional antenna is suitable for commercial radios and access points in public and private networks that are equipped with Reverse Polarity SMA Type connectors.

This Wi-Fi 6e PEANFP1043 antenna with 8 RPSMA 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	Flat Panel
Application Band	Wi-Fi 6E
Band Type	Multi
Radiation Pattern	Directional
Polarization	Vertical
Cable Type	RG58/U
Cable Length	36 in [914.4 mm]
Connector Type	SMA Male Reverse Polarity
Number of Ports	8
Lightning Protection	DC Ground

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, 5150-5850, 6000-7125 MHz Flat Panel MIMO Antenna, 11 dBi Gain, 8 RP SMA Male Connectors PEANFP1043](#)



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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 5.85	6 to 7.125			GHz
Gain	9	11	11			dBi
Horizontal Beam Width	120	115	110			Degrees
Vertical Beam Width	28	15	12			Degrees

Mechanical Specifications

Radome Material

UV Resistant ABS

Size

Overall Length

24.25 in [615.95 mm]

Width

19 in [482.6 mm]

Height

2.55 in [64.77 mm]

Weight

12.66 lbs [5.74 kg]

Color

White

Environmental Specifications

Temperature

Operating Range

-40 to +70 deg C

Humidity

5 to 95

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

Plotted and Other Data

Notes:

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2400-2500, 5150-5850, 6000-7125 MHz Flat Panel MIMO Antenna, 11 dBi Gain, 8 RP SMA 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2400-2500, 5150-5850, 6000-7125 MHz Flat Panel MIMO Antenna, 11 dBi Gain, 8 RP SMA Male Connectors PEANFP1043](https://www.pasternack.com/2400-2500-5150-5850-6000-7125-mhz-flat-panel-mimo-antenna-11-dbi-gain-8-rp-sma-male-connectors-peanfp1043-p.aspx)

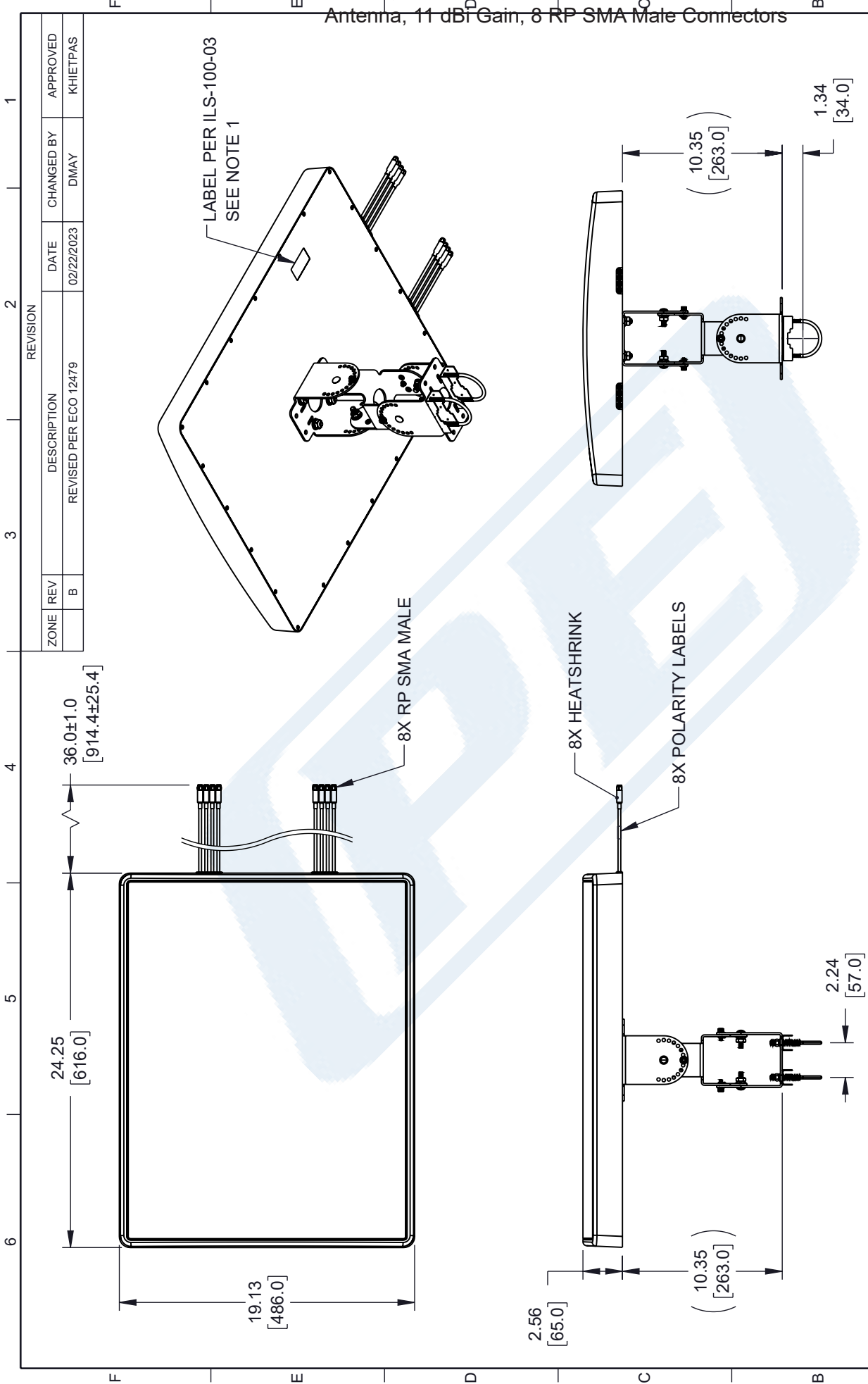
URL: <https://www.pasternack.com/2400-2500-5150-5850-6000-7125-mhz-flat-panel-mimo-antenna-11-dbi-gain-8-rp-sma-male-connectors-peanfp1043-p.aspx>

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.

PEANFP1043 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)

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
X = ± 2 [5]	FRACTIONS
.XX = ± 0.02 [5]	± 1/32
.XXX = ± 0.005 [13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
≤ 12 [305]	= ± 1 [25] / -0
> 12 [305] ≤ 60 [1524]	= +2 [51] / -0
> 60 [1524] ≤ 120 [3048]	= +4 [102] / -0
> 120 [3048] ≤ 300 [7620]	= +6 [152] / -0
> 300 [7620]	= +5% / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	



Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION

2400-2500 / 5150-5850 / 6000-7125MHz 9 / 11 11DBI 8 LEADS
MIMO PANEL ANTENNA SMA MALE

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
SCALE	NONE
SHEET	1 OF 1

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	PSRINIVAS	PEANFP1043	B