

### 617 to 7125 MHz Wi-Fi 6E Omni Antenna, 3 dBi Gain, NMO Connector White

The FMANOM1055 Wi-Fi 6e Omni Antenna from Fairview Microwave is a high performance omnidirectional antenna designed for the 617 MHz to 7125 MHz bands and is available to ship same day. It is a UV protected, outdoor rated antenna with omni-directional pattern. The FMANOM1055 is ideally suited for 802.11 protocols including 802.11ax as well as IoT, Zigbee and Bluetooth.

The Fairview Microwave high performance omni FMANOM1055 is a rugged antenna providing broad coverage, low latency, increased network capacity and 3 dBi gain. This NMO omnidirectional antenna is suitable for commercial radios and access points in public and private networks that are equipped with NMO Type connectors.

This Wi-Fi 6e FMANOM1055 omni antenna with NMO 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 Fairview Microwave products.

#### Configuration

Design	Omni
Gain	2 dBi
Polarization	Vertical
Connector Type	NMO
Number of Ports	1

#### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	617		7,125	MHz
Input VSWR			2.5:1	
Impedance		50		Ohms
Gain Variation		±0.5		dBi
Input Power			100	Watts

#### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.617-0.96	1.71-7.125				GHz
Gain	2	5				dBi
Horiz. Beam Width	360	360				Degrees
Vert. Beam Width	60	45				Degrees

#### Mechanical Specifications

Radome Material	UV Resistant ABS
<b>Size</b>	
Length	3.75 in [95.25 mm]
Width	1.6 in [40.64 mm]
Height	1.6 in [40.64 mm]
Weight	0.45 lbs [204.12 g]



#### Features:

- NMO Connector
- Vertical Polarization
- Outdoor Rated Omnidirectional Antenna
- 2.4 GHz, 5 GHz, 6 GHz Wi-Fi Bands
- 5 dBi gain
- 100 Watt Max Power

#### 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
- IoT, Industrial IoT, Zigbee, Bluetooth, Wi-Fi

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**Environmental Specifications**

**Temperature**

Operating Range -40 to +85 deg C

Humidity 5 to 95

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

**Plotted and Other Data**

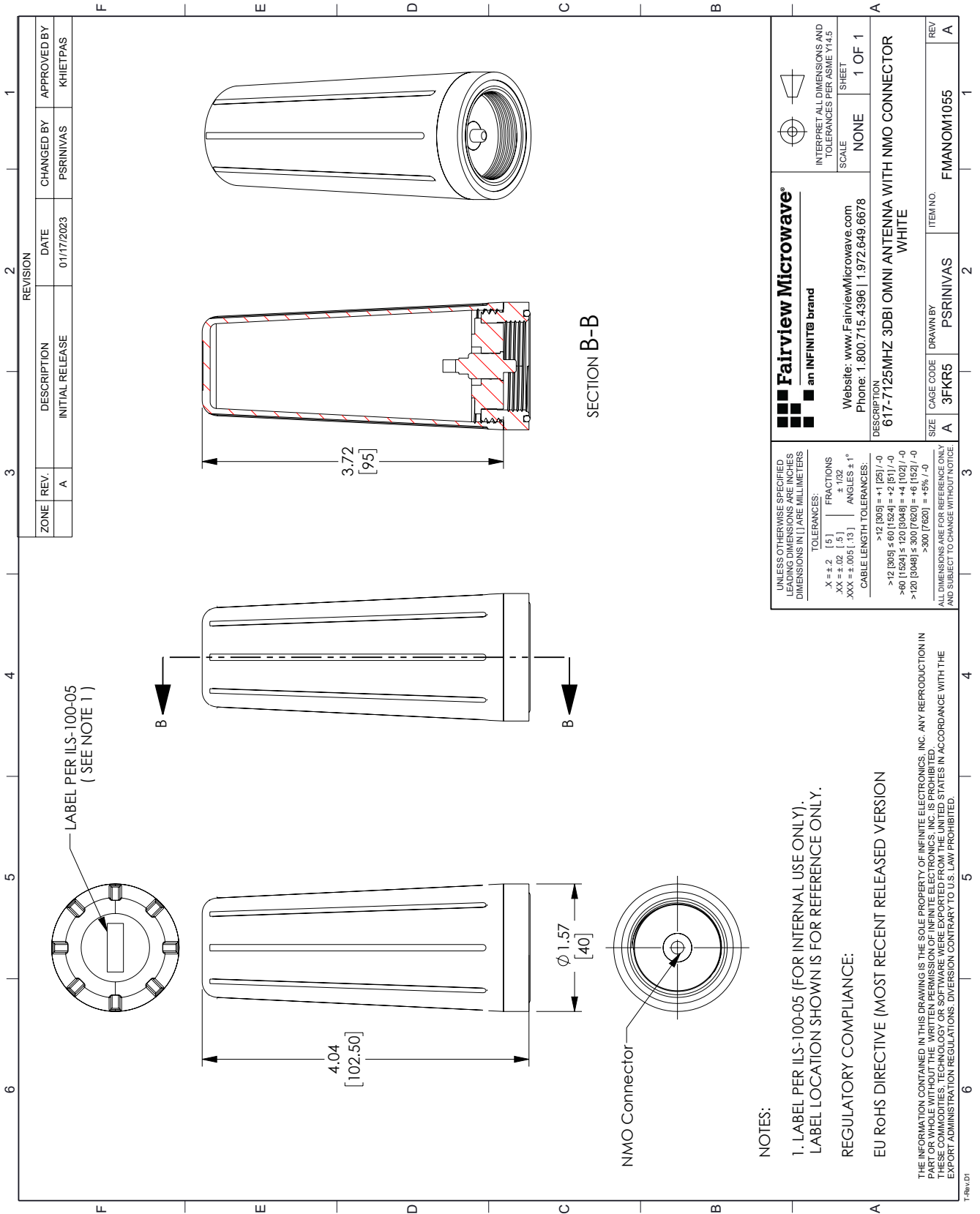
Notes:

617 to 7125 MHz Wi-Fi 6E Omni Antenna, 3 dBi Gain, NMO Connector White from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [617 to 7125 MHz Wi-Fi 6E Omni Antenna, 3 dBi Gain, NMO Connector White FMANOM1055](#)

URL:

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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



REVISION		CHANGED BY	APPROVED BY
ZONE	REV.	DESCRIPTION	DATE
	A	INITIAL RELEASE	01/17/2023
		PSRINIVAS	KHETPAS

		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1-800-715-4396   1-972-649-6678		SCALE	SHEET
		NONE	1 OF 1
DESCRIPTION <b>617-7125MHZ 3DBI OMNI ANTENNA WITH NMO CONNECTOR</b> WHITE			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3FKR5	PSRINIVAS	FMANOM1055

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS IN PARENS ARE IN INCHES.

TOLERANCES:  
 .X ± .2 [5]  
 .XX ± .02 [.5]  
 .XXX ± .005 [.13]

FRACTIONS  
 ± 1/32  
 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.

**NOTES:**

1. LABEL PER ILS-100-05 (FOR INTERNAL USE ONLY). LABEL LOCATION SHOWN IS FOR REFERENCE ONLY.

**REGULATORY COMPLIANCE:**

**EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)**

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