0.3m | 1ft. Grid Parabolic Antenna, Dual-Polarized, 2.3 to 2.7 GHz

MPD1-2.3-NM

The RadioWaves MPD1-2.3-NM is a high performance Wi-Fi Mesh Parabolic Dish antenna specifically designed for cellular networks. RadioWaves' MPD1-2.3-NM has 17 to 18 dBi gain and can be used to broadcast 2.4 GHz Wi-Fi or unlicensed signals. The MPD1-2.3-NM operates from 2300 to 2700 MHz which is ideal for Industrial, Medical, Science or other unlicensed applications including IEEE 802.11b/g/n Wireless LAN, Wireless Bridge and Backhaul. The Multiport design of the RadioWaves HG-2327DP-22EG-NM antenna enables 2x2 mimo applications.

The MPD1-2.3-NM from RadioWaves has directional patterns with Dual Slant (±45°) polarization and features 2 x Type N Male connectors. The Type N connectorized MPD1-2.3-NM antenna from RadioWaves is designed specifically for outdoor operation and is ideal for point-to-point use in large open areas such as base station installations or backhaul. The included mounting bracket and hardware makes this antenna very easy to install. This Wi-Fi Mesh Parabolic Dish antenna just like our wide selection of superior quality RF parts, ship same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other RadioWaves products.

Features

- Low Windload Mesh Design
- +/-45 Slant Polarization
- 17 dBi Gain
- 2x2 MIMO
- Type N Male Connector

Applications

- IEEE 802.11b/g/n wireless LAN, WiFi systems
- Long range directional applications
- 2.4 GHz ISM band
- Point-to-point and point-to-multi-point applications
- Wireless bridges and backhaul applications

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SPECIFICATIONS

General

Antenna Type	Mesh Parabolic Reflector Antenna
Size, nominal	1 ft | 0.3 m

Polarization	Dual
Standard RF Connector Type	N-Male

Electrical

Operating Frequency Band	2.3 - 2.7 GHz
Half Power Beamwidth, Horizontal	20 degrees
Half Power Beamwidth, Vertical	20 degrees
Front to Back Ratio (F/B)	25 dB
Gain, Low Frequency	17 dBi
Gain, Mid Frequency	17.5 dBi

Gain, High Frequency	18 dBi
VSWR	2.5:1
Return Loss	-7.4 dB
Port to Port Isolation, Max (dB)	20 dB
Input Power per Port, Max (Watts)	50 Watts

Mechanical

Fine Elevation Adjustment	+/- 30 degrees
Mounting Pipe Diameter, Min	1.2 inch | 3 cm
Mounting Pipe Diameter, Max	1.8 inch | 5 cm
Net Weight	2.2 lbs | 1 kg
Wind Velocity Operational	90 mph | 145 km/h
Wind Velocity Survival Rating	125 mph | 201 km/h

Mechanical Configuration	MPD1-2-3-NM
Axial Force (FA)	46 lbs | 204 N
Side Force (FS)	13 lbs | 58 N
Twisting Moment (MT)	27 ft-lbs | 36 Nm
Operating Temperature Range	-40 to +60 C

Regulatory Compliance

Industry Canada Compliance	undeclared
RoHS-compliant	Yes

Shipping Information

Package Type	Cardboard
Gross Weight	4 lbs | 1.8 kg

Dimensions, L x W x H	16 x 16 x 10in | 40 x 40 x 13 cm
Shipping Volume	1.48 cu ft | 0.04 cu m

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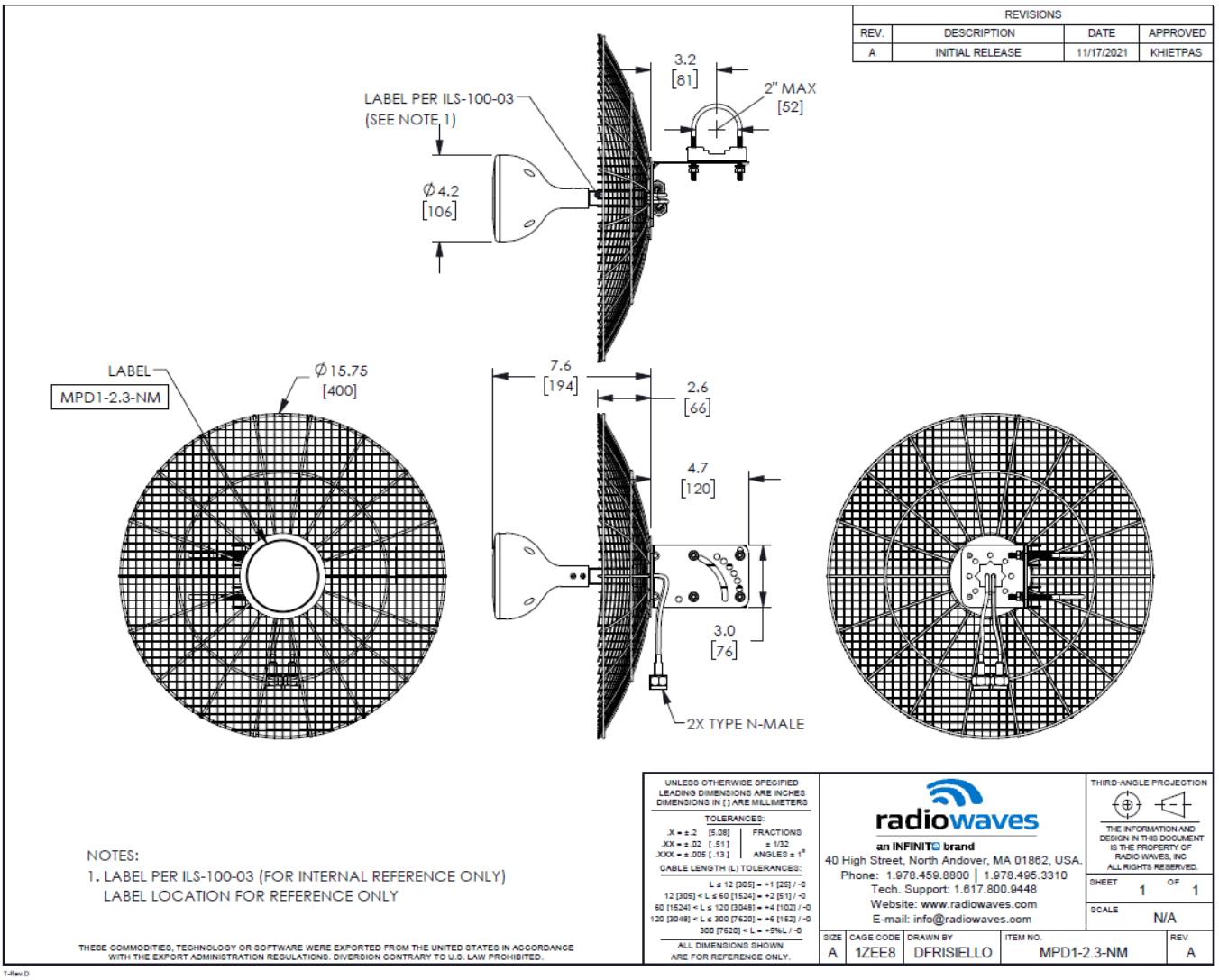
TECHNICAL DRAWINGS



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