

Description: 1.6dBi, 217-222MHz

Series: Radome Omni

PART NUMBER: RO2202NF



Features:

- Omnidirectional antenna
- Gain 1.6dBi
- Polarization Vertical
- Connector N-female
- IP67

Applications:

- 217-222MHz Radios
- Utilities
- SCADA Railway / PTC
- IoT

Issue: 1850

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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ELECTRICAL SPECIFICATIONS

Antenna type	1/2 wave (ground plane not required)
Frequency	217-222 MHz
Nominal Impedance	50 Ω
VSWR	1.5:1
Gain	1.6 dBi
Efficiency	90%
Radiation Pattern	Omni
HPBW / E-Plane	81°
Polarization	Vertical
Power withstanding	40 W
Connector type	N-Female

MECHANICAL SPECIFICATIONS

Overall Length	837.9mm
Weight	247g
Antenna Color / Material protected	White/Polyester/fiberglass-UV

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 ~ +85° C
Ingress Protection	IP67
Wind-loading	201.2 km/h (125 mph)
RoHS Compliant	Yes

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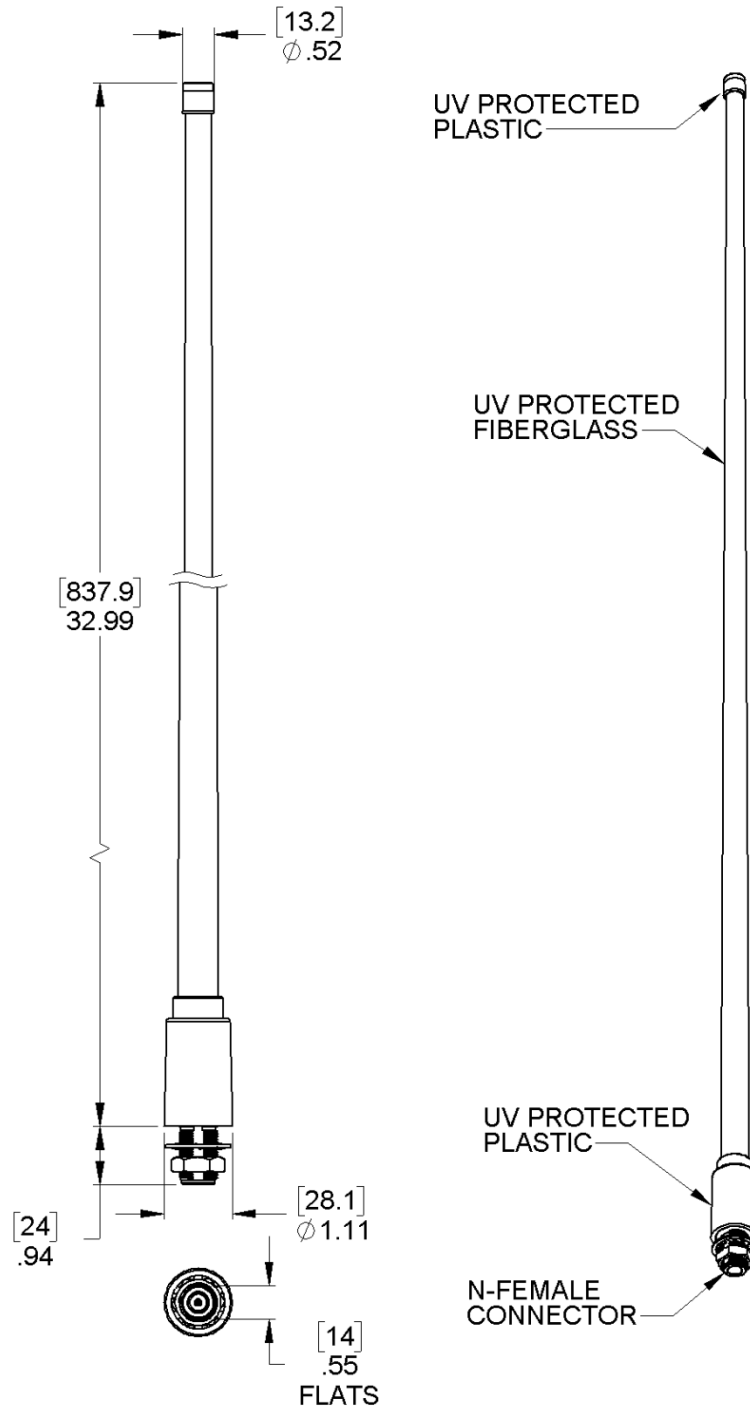
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MECHANICAL DRAWING



All dimensions are in mm / inches

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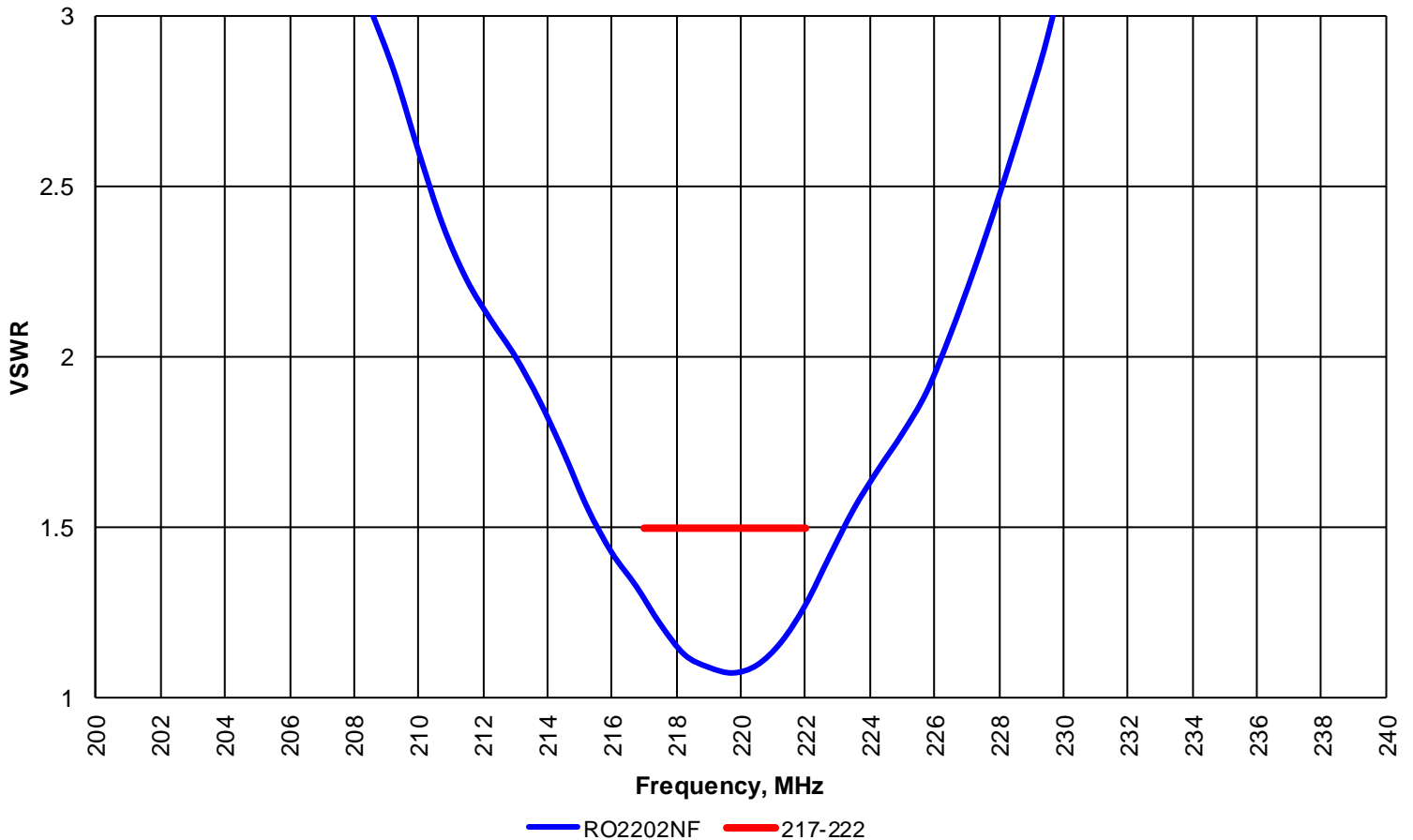
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CHARTS

VSWR vs Frequency
RO2202NF

Measured at Pulse, USA - July 30, 2018



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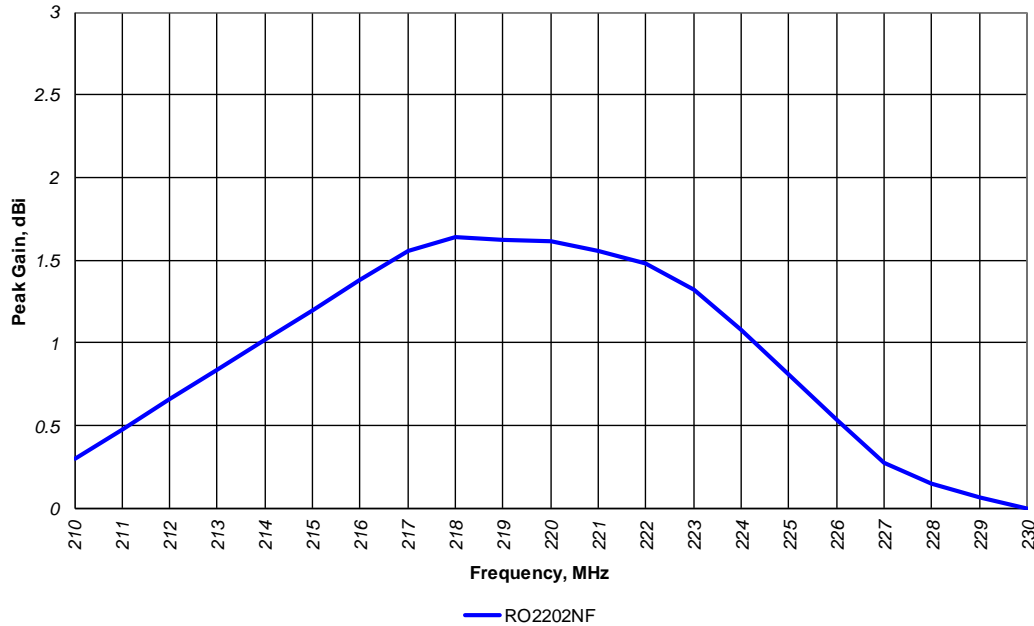
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CHARTS

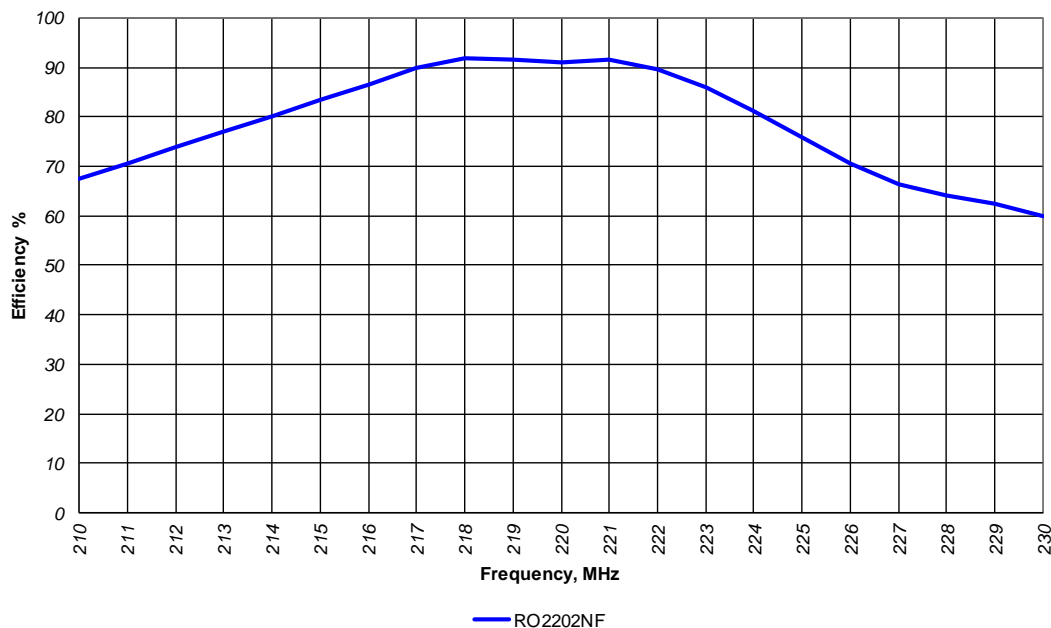
Peak Gain vs Frequency
RO2202NF

Measured at Pulse, USA - July 30, 2018



Efficiency vs Frequency
RO2202NF

Measured at Pulse, USA - July 30, 2018



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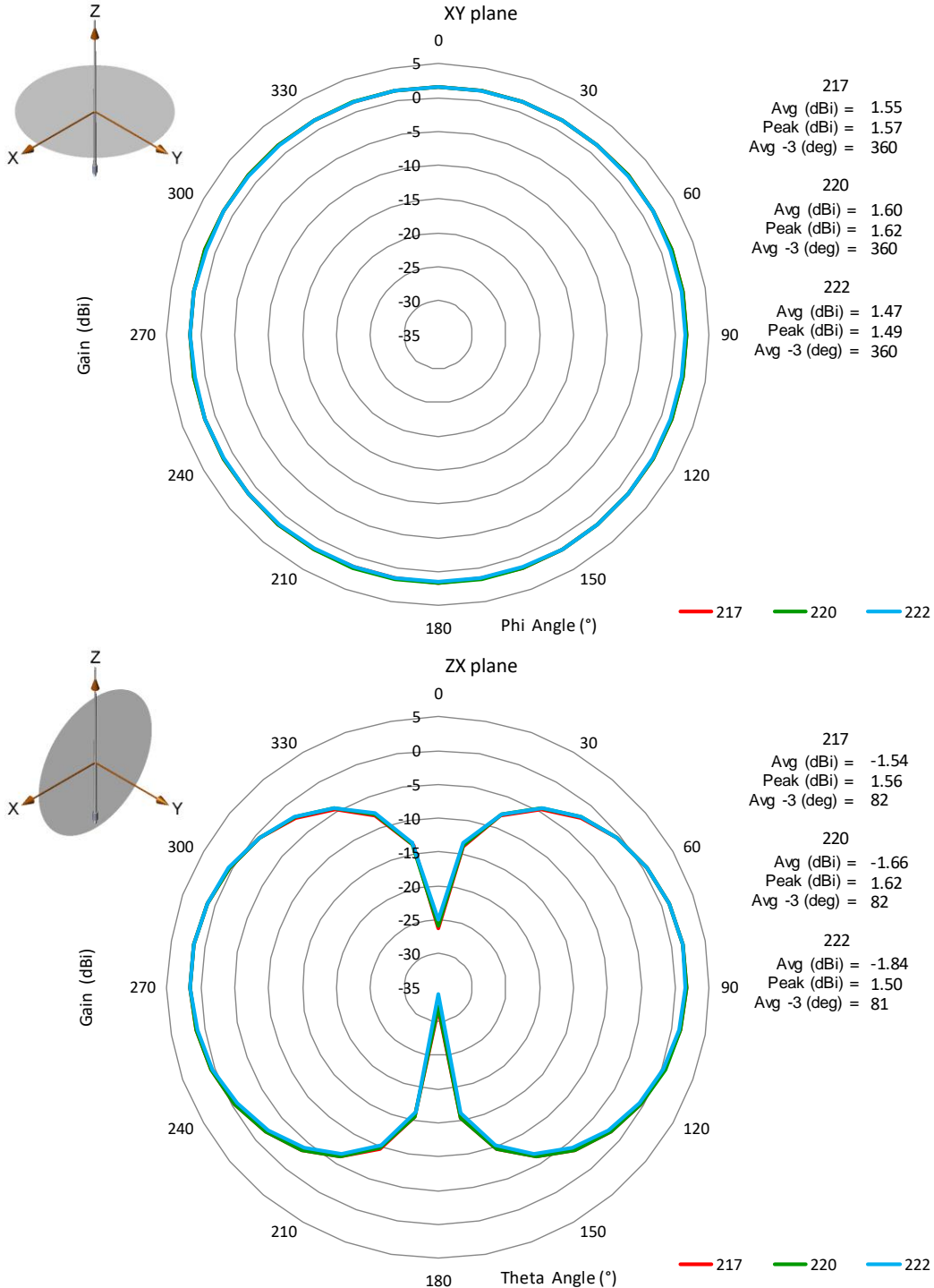
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PACKAGING

1 antenna packed in a plastic bag

1 label on each plastic with part number, description, date code.

Mouser Electronics

Authorized Distributor

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Pulse:

[RO2202NF](#)