

**Description:** RO, 5dBi, 1060-1120MHz, NF

**Series:** Radome Omni

**PART NUMBER:** RO10905NF



**Features:**

- Omnidirectional antenna
- Gain 5dBi
- Polarization Vertical
- Connector N-female
- IP67

**Applications:**

- ADS-B

Issue: 1742P

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

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**Description:** RO, 5dBi, 1060-1120MHz, NF**Series:** Radome Omni**PART NUMBER:** RO10905NF**ELECTRICAL SPECIFICATIONS**

Antenna type	Stacked Dipoles
Frequency	1060-1120 MHz
Nominal Impedance	50 $\Omega$
VSWR	2:1
Gain	5 dBi
Efficiency	70 %
Radiation Pattern	Omni
HPBW / E-Plane	22°
Polarization	Vertical
Power withstanding	20 W
E.S.D. Protection	DC Grounded
Connector type	N-Female

**MECHANICAL SPECIFICATIONS**

Color/Material	White/Pultruded polyester/fiberglass—UV protected
Weight	242 g
Overall Length	695.6 mm

**ENVIRONMENTAL SPECIFICATIONS**

Operating temperature	-40 ~ +85° C
Ingress Protection	IP67
Wind-loading	241.4 km/h (150 mph)
RoHS Compliant	Yes

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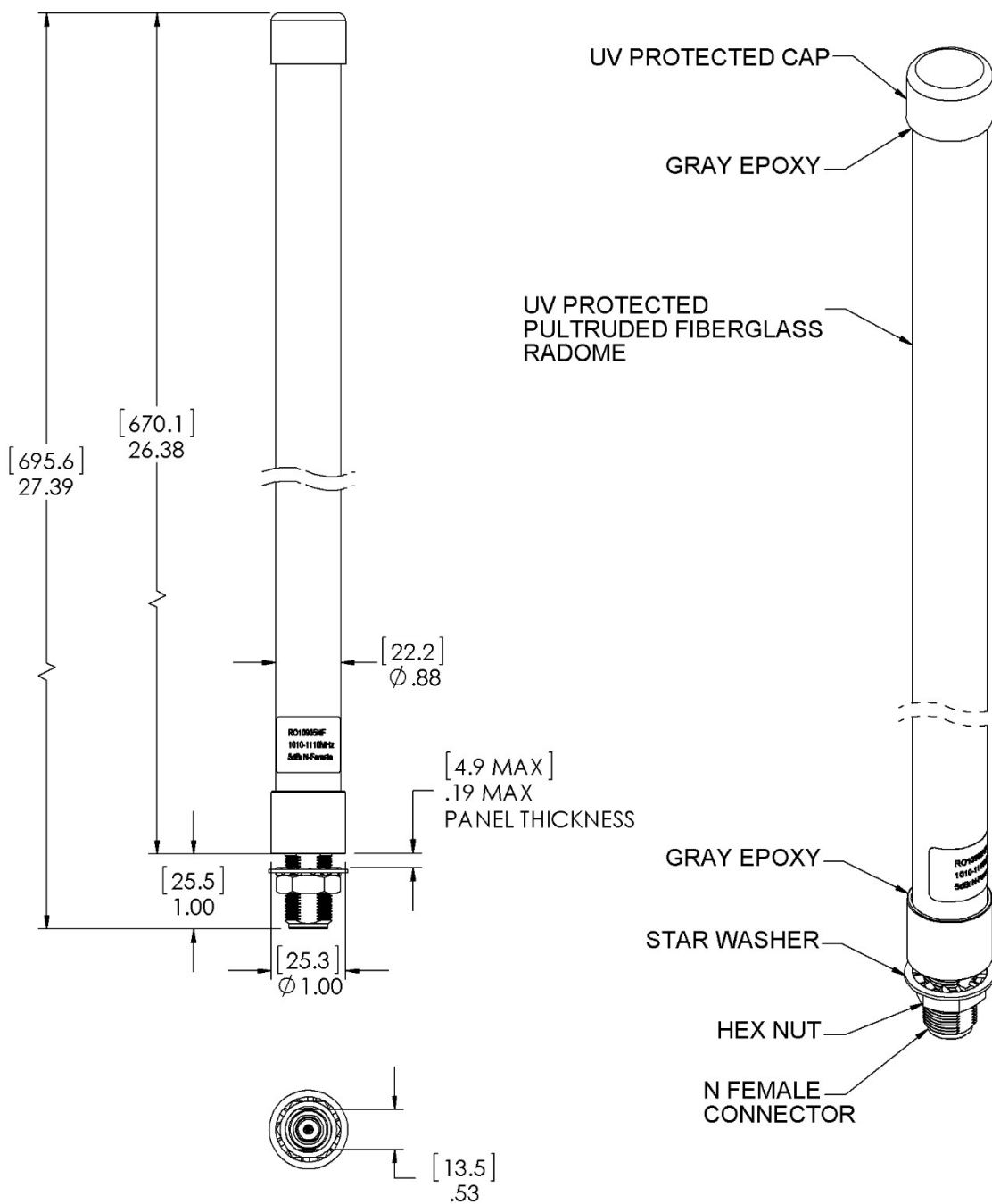


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## MECHANICAL DRAWING



All dimensions are in mm / inches

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**Description:** RO, 5dBi, 1060-1120MHz, NF

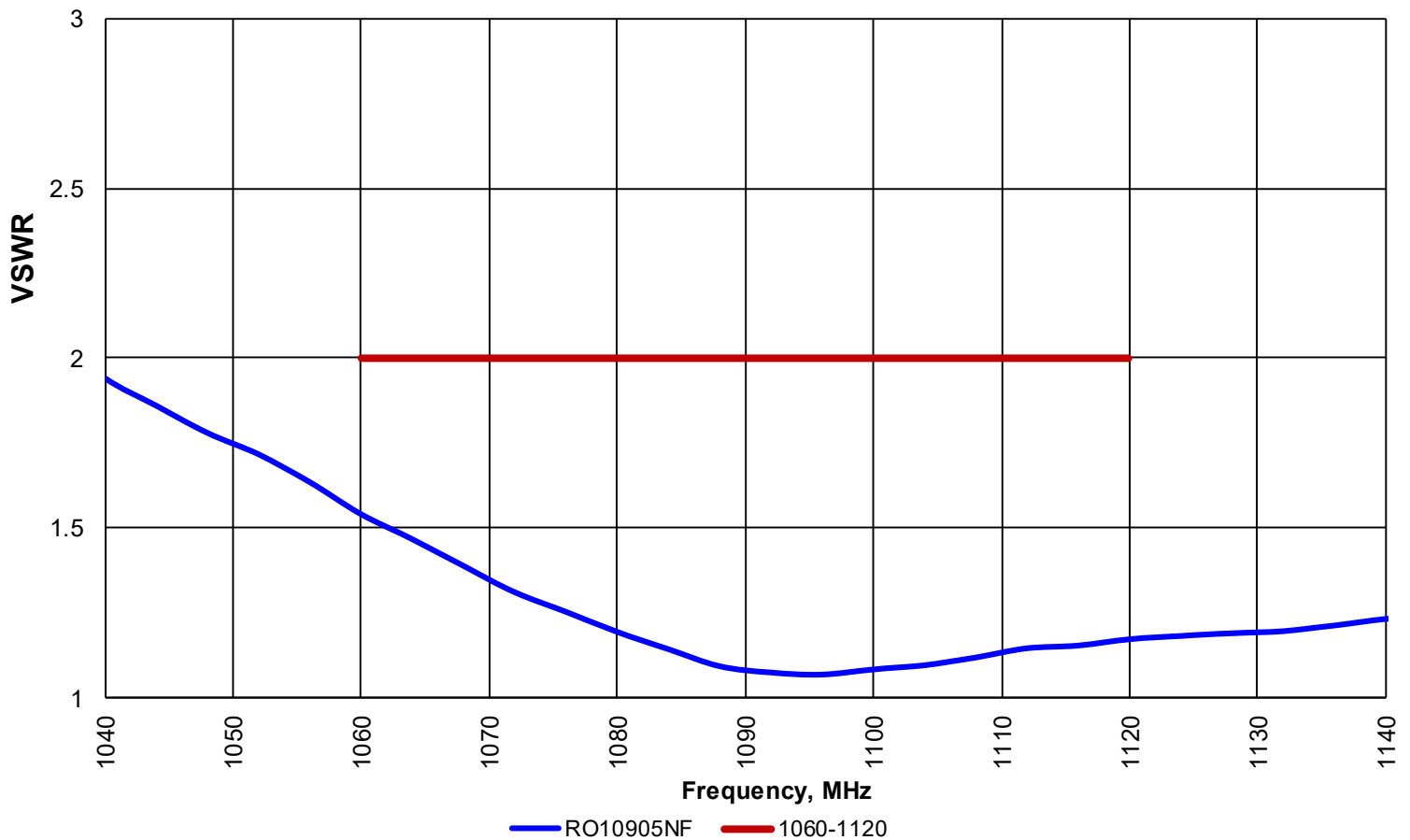
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## CHARTS

### VSWR vs Frequency RO10905NF

Measured at Pulse, USA - Oct 25, 2017



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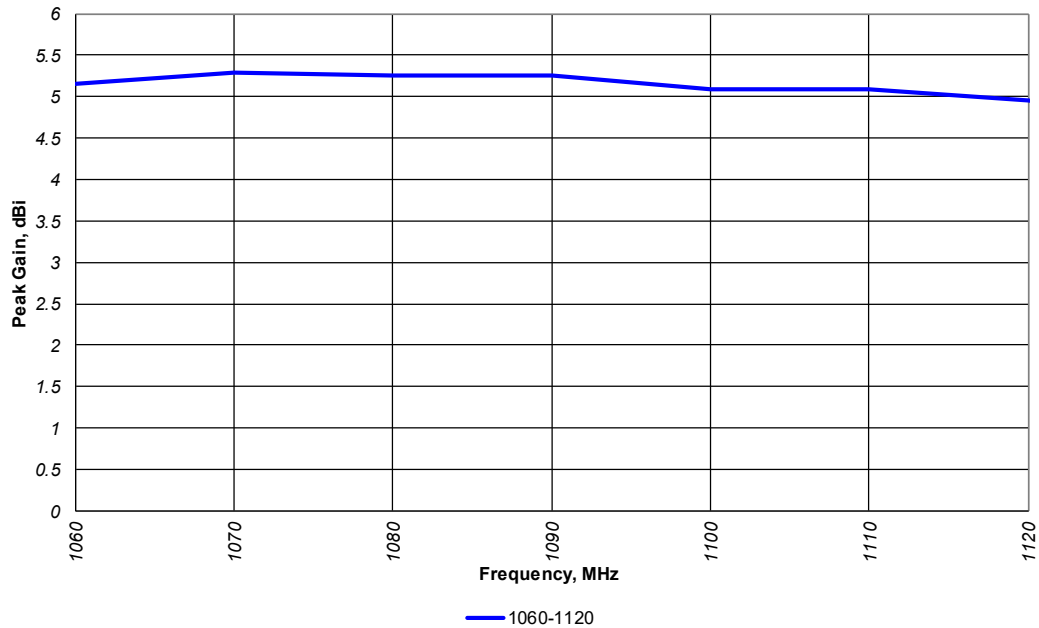
**Series:** Radome Omni

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## CHARTS

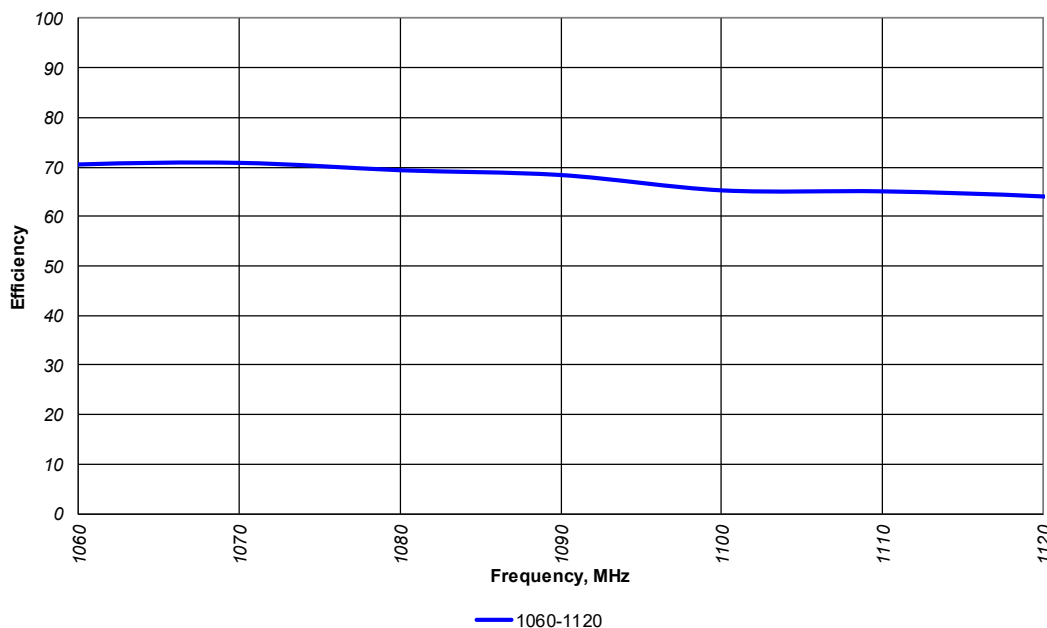
**Peak Gain vs Frequency**  
**RO10905NF**

Measured at Pulse, USA - Oct 25, 2017



**Efficiency vs Frequency**  
**RO10905NF**

Measured at Pulse, USA - Oct 25, 2017



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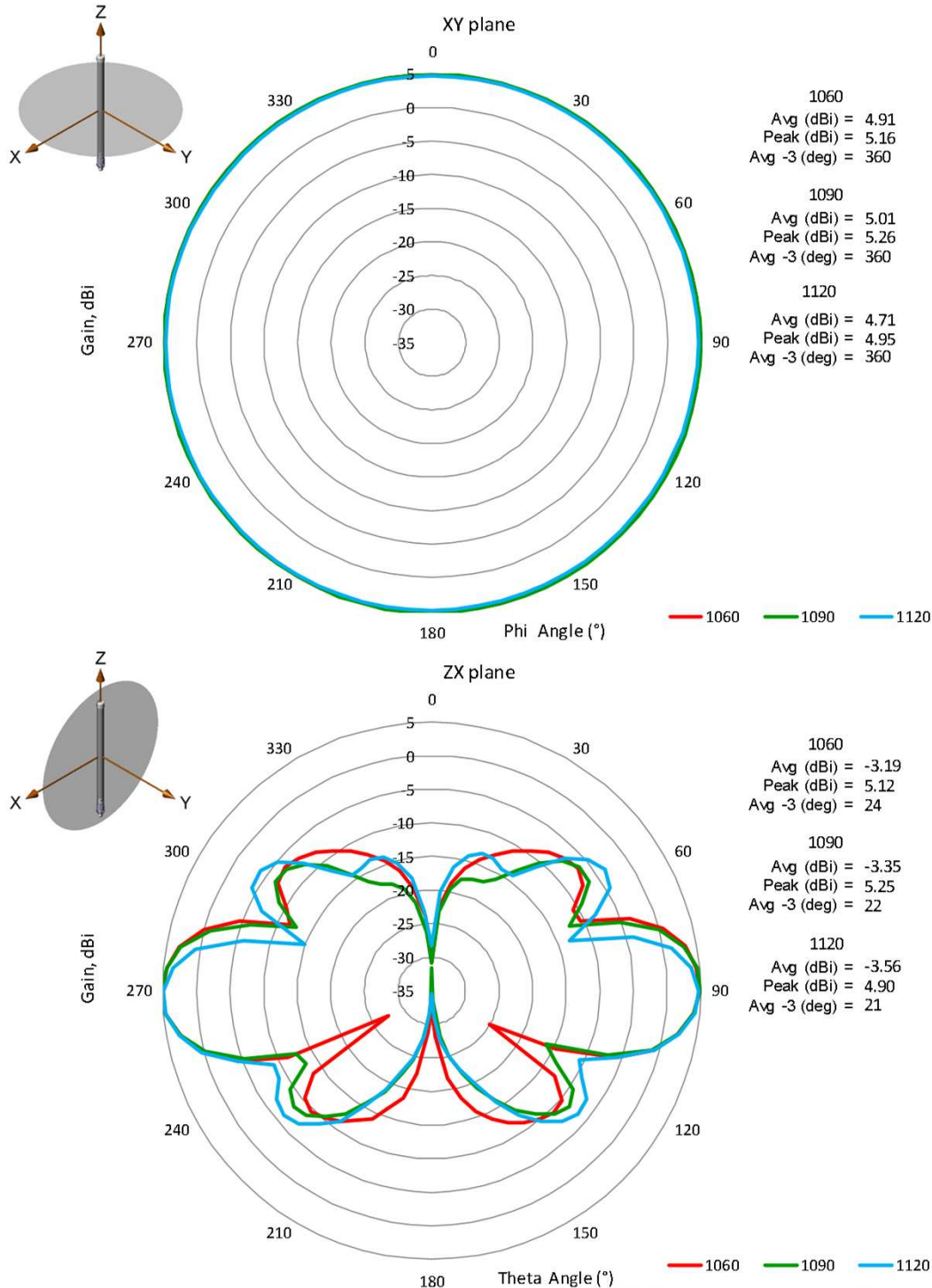
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## PACKAGING

Pack each Antenna and instruction in PE bag.

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