

Description: RO, 10 dBi, 5.725-5.925 GHz, NF

Series: Radome Omni

PART NUMBER: RO5810NF

Features:

- Omnidirectional radiation
 pattern in H-plane
- 10/9 dBi Gain
- Stable gain and pattern across the operating band
- IP67
- N-Female connector

Applications:

- 5 GHz ISM band
- DSRC
- WiFi 5.x GHz
- Indoor/Outdoor use



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



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ELECTRICAL SPECIFICATIONS

Antenna Type Frequency Nominal Impedance VSWR Radiation Pattern HPBW / Vertical Plane Gain (5.725-5.875 GHz) Gain (5.875-5.925 GHz) Efficiency Polarization Power Withstanding E.S.D. Protection Collinear dipole array 5.725-5.925 GHz 50 Ω 2:1 Omni 8.5 ° ± 0.5 ° 10 dBi +/- 1 dB 9 dBi +/- 1 dB 70 % Vertical 20 W DC Grounded

MECHANICAL SPECIFICATIONS

Overall Length Weight Antenna Color / Material Connector type 434 mm 167.3 g White / Pultruded Fiberglass, UV-Protected N-Female

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Ingress Protection Wind-loading RoHS Compliant

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-30° to +60° C IP67 241.4 km/h Yes

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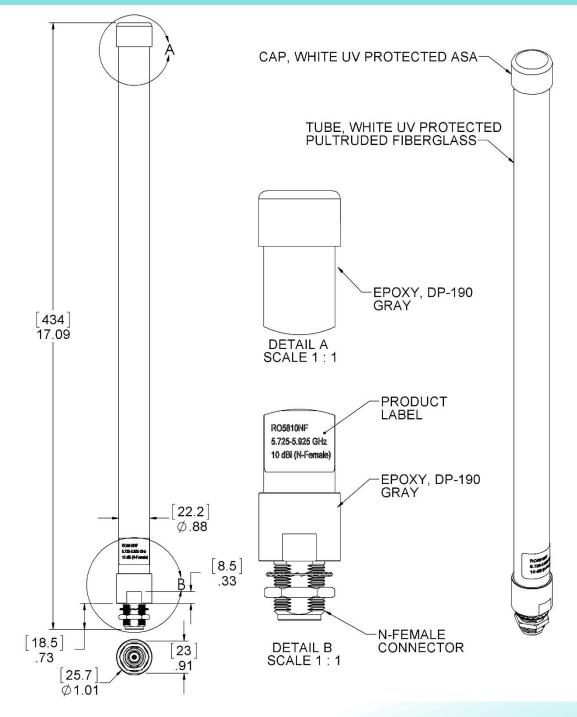


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MECHANICAL DRAWING



All dimensions are in mm / inches

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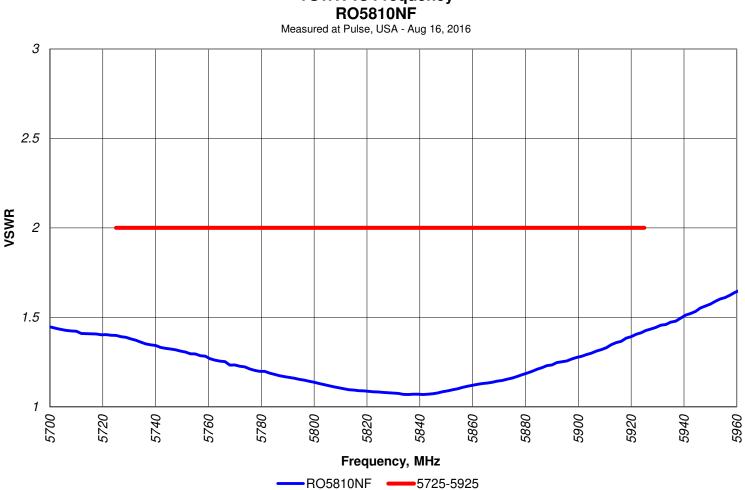


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CHARTS



VSWR vs Frequency

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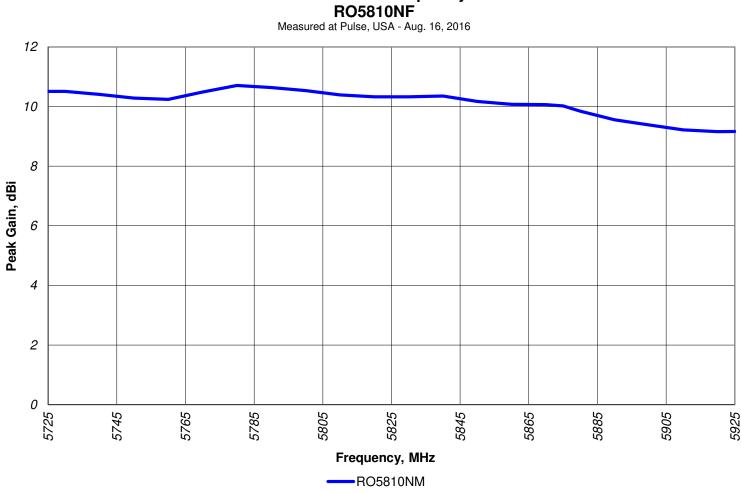


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Peak Gain vs Frequency

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RoHS

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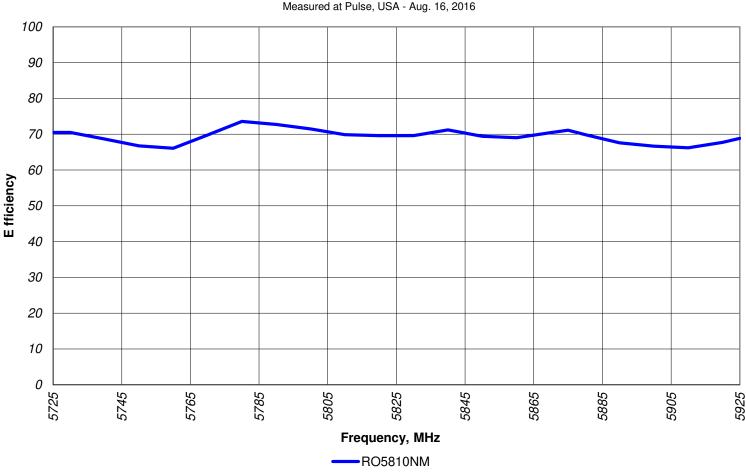


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Efficiency vs Frequency RO5810NF

Measured at Pulse, USA - Aug. 16, 2016

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RoHS

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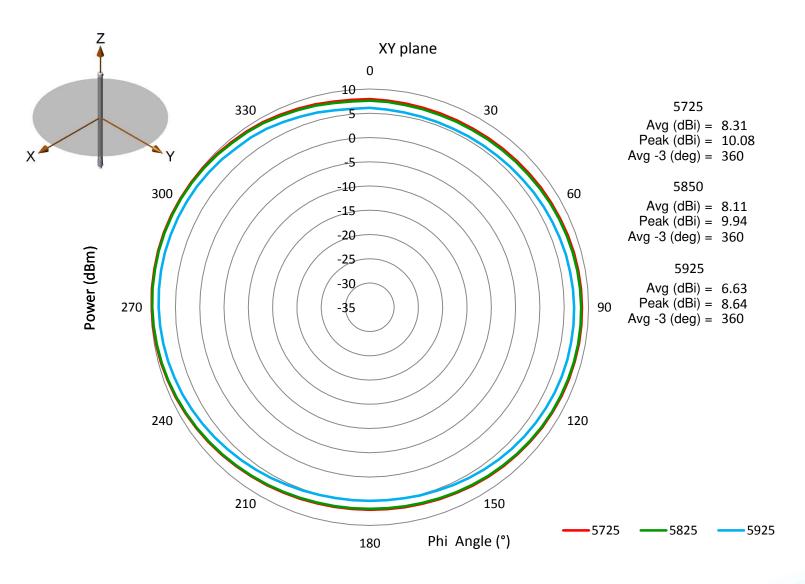


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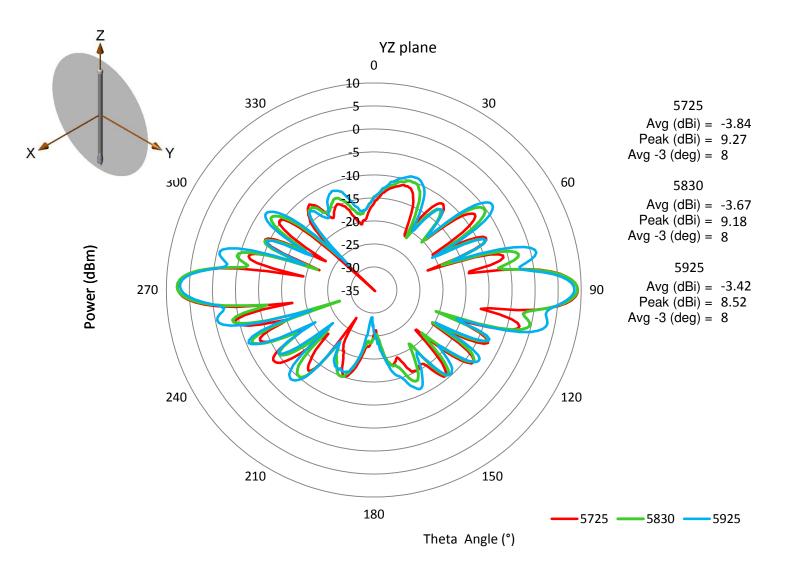


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PACKAGING

Packaged one product per Poly-bag with product label attached to outside of bag.

ASSEMBLY

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