

# UNA010FI-0-V2

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1-port inverted omni antenna, 694–896 MHz, 360° HPBW, fixed tilt

## General Specifications

<b>Antenna Type</b>	Omni
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	Fiberglass, UV resistant
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Top
<b>RF Connector Quantity, high band</b>	0
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	1
<b>RF Connector Quantity, total</b>	1

## Dimensions

<b>Length</b>	3414 mm   134.41 in
<b>Net Weight, without mounting kit</b>	9.1 kg   20.062 lb
<b>Outer Diameter</b>	56 mm   2.205 in

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	694 – 896 MHz
<b>Polarization</b>	Vertical
<b>Total Input Power, maximum</b>	100 W @ 50 °C

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>694–896</b>
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<b>Gain, dBi</b>	10.9
<b>Beamwidth, Horizontal, degrees</b>	360
<b>Beamwidth, Vertical, degrees</b>	7.2
<b>Beam Tilt, degrees</b>	0
<b>USLS (First Lobe), dB</b>	18
<b>VSWR   Return loss, dB</b>	1.5   14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150
<b>Input Power per Port, maximum, watts</b>	100

## Mechanical Specifications

<b>Wind Loading @ Velocity, maximum</b>	240.0 N @ 150 km/h (54.0 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	200 km/h (124 mph)

## Packaging and Weights

<b>Width, packed</b>	88 mm   3.465 in
<b>Depth, packed</b>	88 mm   3.465 in
<b>Length, packed</b>	3850 mm   151.575 in
<b>Weight, gross</b>	15.8 kg   34.833 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

## Included Products

F-129-S4	-	Fixed Tilt Pipe Mounting Kit for 2.0"-4.5" (50-115mm) OD round members for omni antennas. Includes 2 clamp sets.
F-131-S4	-	Fixed Tilt Pipe Mounting Kit for 2.0"-4.5" (50-115mm) OD round members for omni antennas. Includes 2 clamp sets.

## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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