

UNA010FI-0-V2



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

General Specifications

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

Dimensions

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

Electrical Specifications

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

Electrical Specifications

Frequency Band, MHz	694–896
Gain, dBi	10.9
Beamwidth, Horizontal, degrees	360

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Beamwidth, Vertical, degrees	7.2
Beam Tilt, degrees	0
USLS (First Lobe), dB	18
VSWR Return loss, dB	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150
Input Power per Port, maximum, watts	100

Electrical Specifications, BASTA

Frequency Band, MHz	694–896
Gain by all Beam Tilts, average, dBi	10.5
Gain by all Beam Tilts Tolerance, dB	±0.6
Beamwidth, Vertical Tolerance, degrees	±0.8
USLS, beampeak to 20° above beampeak, dB	17

Mechanical Specifications

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

Packaging and Weights

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

Regulatory Compliance/Certifications

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

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance