

UNA008RI

1-port inverted omni antenna, 694–896 MHz, 360° HPBW, 1x RET with manual override. Ships with F-129-S4 mounting kit.

OBSOLETE

This product was discontinued on: March 27, 2020

General Specifications

Antenna Type	Omni
Band	Single band
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	Polyester fiberglass pultrusion
Radiator Material	Copper
RF Connector Interface	7-16 DIN Female
RF Connector Location	Top
RF Connector Quantity, high band	0
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	1
RF Connector Quantity, total	1

Remote Electrical Tilt (RET) Information

RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	1 female 1 male
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Protocol	3GPP/AISG 2.0 (Single RET)

Dimensions

Length	2815 mm 110.827 in
Net Weight, without mounting kit	9.8 kg 21.605 lb
Outer Diameter	56 mm 2.205 in

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Tube Diameter 288 mm (11.34 in)

Electrical Specifications

Impedance 50 ohm
Operating Frequency Band 694 – 896 MHz
Polarization Vertical

Electrical Specifications

Frequency Band, MHz 694–896
Gain, dBi 9.3
Beamwidth, Horizontal, degrees 360
Beamwidth, Vertical, degrees 9.6
Beam Tilt, degrees 0–8
USLS (First Lobe), dB 16
VSWR | Return loss, dB 1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc -150
Input Power per Port, maximum, watts 150

Mechanical Specifications

Wind Loading @ Velocity, frontal 299.0 N @ 150 km/h (67.2 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral 233.0 N @ 150 km/h (52.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear 299.0 N @ 150 km/h (67.2 lbf @ 150 km/h)
Wind Speed, maximum 250 km/h (155 mph)

Packaging and Weights

Width, packed 300 mm | 11.811 in
Depth, packed 3000 mm | 118.11 in
Length, packed 3044 mm | 119.843 in
Weight, gross 24.8 kg | 54.675 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant/Exempted

UK-ROHS Compliant/Exempted



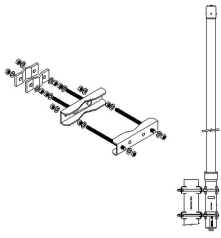
Included Products

- 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.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

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.

Product Classification

Product Type Pipe mounting kit

General Specifications

Application Outdoor

Color Silver

Dimensions

Compatible Diameter, maximum 115 mm | 4.528 in

Compatible Diameter, minimum 50 mm | 1.969 in

Bracket-to-Bracket Distance 200 mm | 7.874 in

Weight, net 3 kg | 6.614 lb

Material Specifications

Material Type Stainless steel

Packaging and Weights

Included Brackets | Hardware | Saddle brackets

Packaging quantity 2

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
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ROHS	Compliant
UK-ROHS	Compliant



