

UNA008R-V2

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

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	Bottom
RF Connector Quantity, low band	1
RF Connector Quantity, total	1

Remote Electrical Tilt (RET) Information, General

RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	1 female 1 male

Dimensions

Length	2815 mm 110.827 in
Outer Diameter	56 mm 2.205 in

Electrical Specifications

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

Remote Electrical Tilt (RET) Information, Electrical

Protocol	3GPP/AISG 2.0 (Single RET)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Internal RET	Low band (1)

UNA008R-V2

Electrical Specifications

Frequency Band, MHz	694–896
Gain, dBi	8.9
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	9.7
Beam Tilt, degrees	0–8
USLS (First Lobe), dB	15
VSWR Return loss, dB	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150
Input Power per Port, maximum, watts	150

Electrical Specifications, BASTA

Frequency Band, MHz	694–896
Gain by all Beam Tilts, average, dBi	8.6
Gain by all Beam Tilts Tolerance, dB	±0.6
Gain by Beam Tilt, average, dBi	0° 8.6 4° 8.7 8° 8.4
Beamwidth, Vertical Tolerance, degrees	±1.2
USLS, beampeak to 20° above beampeak, dB	15

Mechanical Specifications

Wind Loading at Velocity, frontal	299.0 N @ 150 km/h 724.3 lbf @ 150 km/h
Wind Loading at Velocity, lateral	233.0 N @ 150 km/h 52.4 lbf @ 150 km/h
Wind Loading at Velocity, rear	299.0 N @ 150 km/h 67.2 lbf @ 150 km/h
Wind Speed, maximum	250 km/h 155.343 mph

Packaging and Weights

Width, packed	300 mm 11.811 in
Depth, packed	300 mm 11.811 in
Length, packed	3044 mm 119.843 in

UNA008R-V2

Net Weight, without mounting kit	9.8 kg 21.605 lb
Weight, gross	24.8 kg 54.675 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. Includes 2 clamp sets.
----------	--

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
------------------	---