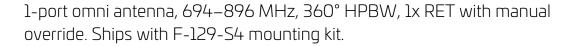
UNAOO8R-V2



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General Specifications

Antenna Type Omni

Band Single band

Grounding TypeRF 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

RET Interface 8-pin DIN Female | 8-pin DIN Male

RET Interface, quantity 1 female | 1 male

Internal RET Low band (1)

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 kit9.8 kg | 21.605 lbOuter Diameter56 mm | 2.205 in

Electrical Specifications

Impedance 50 ohm

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Operating Frequency Band

694 - 896 MHz

Polarization

maximum, watts

beampeak, dB

Vertical

Electrical Specifications

Frequency Band, MHz 694-896 Gain, dBi 8.9 Beamwidth, Horizontal, 360 degrees Beamwidth, Vertical, degrees 9.7 Beam Tilt, degrees 0 - 8USLS (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, 150

Electrical Specifications, BASTA

Frequency Band, MHz 694-896 Gain by all Beam Tilts, 8.6 average, dBi ±0.6 **Gain by all Beam Tilts** Tolerance, dB Gain by Beam Tilt, average, 0°|8.6 4°18.7 dBi 8°|8.4 Beamwidth, Vertical ±1.2 Tolerance, degrees USLS, beampeak to 20° above 15

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

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 Depth, packed
 300 mm | 11.811 in

 Length, packed
 3044 mm | 119.843 in

 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

