

LNx003U



2-port H\|V pol omni antenna, 2x 2490–2690 MHz, 360° HPBW, fixed tilt

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	Fiberglass, UV resistant
Radiator Material	Brass
RF Connector Interface	N Female
RF Connector Location	Bottom
RF Connector Quantity, high band	2
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	0
RF Connector Quantity, total	2

Dimensions

Length	715 mm 28.15 in
Net Weight, without mounting kit	1.1 kg 2.425 lb
Outer Diameter	44 mm 1.732 in

Electrical Specifications

Impedance	50 ohm
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Operating Frequency Band	2490 – 2690 MHz
Polarization	Horizontal Vertical

Electrical Specifications

Frequency Band, MHz	2490–2690
Gain, dBi	6.5
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	21.7
Beam Tilt, degrees	0
USLS (First Lobe), dB	9
Isolation, Cross Polarization, dB	30
VSWR Return loss, dB	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-120
Input Power per Port, maximum, watts	100

Mechanical Specifications

Wind Loading @ Velocity, frontal	30.0 N @ 150 km/h (6.7 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	30.0 N @ 150 km/h (6.7 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	30.0 N @ 150 km/h (6.7 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	145 mm 5.709 in
Depth, packed	125 mm 4.921 in
Length, packed	830 mm 32.677 in
Weight, gross	2 kg 4.409 lb

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance

LNx003U

ROHS

Compliant

UK-ROHS

Compliant



* Footnotes

Performance Note

Severe environmental conditions may degrade optimum performance