

# 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

<b>Antenna Type</b>	Omni
<b>Band</b>	Single band
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Brass
<b>RF Connector Interface</b>	N Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	2
<b>RF Connector Quantity, total</b>	2

## Dimensions

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

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	2490 – 2690 MHz
<b>Polarization</b>	Horizontal   Vertical

## Electrical Specifications

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

## Electrical Specifications, BASTA

<b>Frequency Band, MHz</b>	<b>2490–2690</b>
<b>Gain by all Beam Tilts, average, dBi</b>	6.3
<b>Gain by all Beam Tilts Tolerance, dB</b>	±0.5
<b>Beamwidth, Vertical Tolerance, degrees</b>	±4.5

## Mechanical Specifications

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

## Packaging and Weights

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

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives

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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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## \* Footnotes

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