

# LDX-9014DS-VTM



2-port sector antenna, 2x 790–960 MHz, 90° HPBW, RET compatible

- Engineered to provide wideband capability to support “Digital Dividend” band applications, future ready
- Same physical size as existing 800/900 MHz antennas for easy site zoning
- Proven core design technology, with over 1,000,000 similar antennas deployed

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<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>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	2

## Dimensions

<b>Width</b>	225 mm   8.858 in
<b>Depth</b>	164 mm   6.457 in
<b>Length</b>	2435 mm   95.866 in
<b>Net Weight, without mounting kit</b>	18.1 kg   39.904 lb

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	790 – 960 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>790–896</b>	<b>870–960</b>
----------------------------	----------------	----------------

# LDX-9014DS-VTM

Gain, dBi	15.9	16.1
Beamwidth, Horizontal, degrees	88.7	89
Beamwidth, Vertical, degrees	8	7.5
Beam Tilt, degrees	0–8	0–8
USLS (First Lobe), dB	18	18
Front-to-Back Ratio at 180°, dB	34	30
CPR at Boresight, dB	20	20
CPR at Sector, dB	14	14
Isolation, Cross Polarization, dB	30	30
VSWR   Return loss, dB	1.4   15.6	1.4   15.6
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	300	300

## Electrical Specifications, BASTA

Frequency Band, MHz	<b>790–896</b>	<b>870–960</b>
Gain by all Beam Tilts, average, dBi	15.6	15.8
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.3
Gain by Beam Tilt, average, dBi	0°   15.5 4°   15.6 8°   15.6	0°   15.7 4°   15.9 8°   15.8
Beamwidth, Horizontal Tolerance, degrees	±1.8	±1.6
Beamwidth, Vertical Tolerance, degrees	±0.5	±0.3
USLS, beampeak to 20° above beampeak, dB	16	17
Front-to-Back Total Power at 180° ± 30°, dB	22	22
CPR at Boresight, dB	20	20
CPR at Sector, dB	14	14

## Mechanical Specifications

Wind Loading @ Velocity, frontal	526.0 N @ 150 km/h (118.3 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	493.0 N @ 150 km/h (110.8 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	782.0 N @ 150 km/h (175.8 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

## Packaging and Weights

Width, packed	364 mm   14.331 in
Depth, packed	299 mm   11.772 in

# LDX-9014DS-VTM

---

**Length, packed** 2751 mm | 108.307 in

**Weight, gross** 30.5 kg | 67.241 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

- 600899A-2 – Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

## \* Footnotes

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

# 600899A-2



Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members.  
Kit contains one scissor top bracket set and one bottom bracket set.

## Product Classification

**Product Type** Downtilt mounting kit

## General Specifications

**Application** Outdoor

**Color** Silver

## Dimensions

**Compatible Diameter, maximum** 114.3 mm | 4.5 in

**Compatible Diameter, minimum** 61 mm | 2.402 in

**Weight, net** 3.9 kg | 8.598 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

**Weight, gross** 4.2 kg | 9.259 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

600899A-2

---

