

LDX-9013DS-VTM



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

- Smallest profile, high gain, 90°, DualPol® antenna with significant wind load reduction
- Rugged, reliable design with excellent passive intermodulation suppression

OBSOLETE

This product was discontinued on: **March 30, 2024**

General Specifications

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

Dimensions

Width	225 mm 8.858 in
Depth	164 mm 6.457 in
Length	1831 mm 72.087 in
Net Weight, without mounting kit	12 kg 26.455 lb

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	790 – 960 MHz
Polarization	±45°

LDX-9013DS-VTM

Electrical Specifications

Frequency Band, MHz	790–896	870–960
Gain, dBi	14.7	15.1
Beamwidth, Horizontal, degrees	89	89
Beamwidth, Vertical, degrees	11.2	10.5
Beam Tilt, degrees	0–10	0–10
USLS (First Lobe), dB	14	13
Front-to-Back Ratio at 180°, dB	25	27
CPR at Boresight, dB	20	19
CPR at Sector, dB	13	13
Isolation, Cross Polarization, dB	30	30
VSWR Return loss, dB	1.5 14.0	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	790–896	870–960
Gain by all Beam Tilts, average, dBi	14.5	14.7
Gain by all Beam Tilts Tolerance, dB	±0.2	±0.4
Gain by Beam Tilt, average, dBi	0° 14.5 5° 14.5 10° 14.3	0° 14.7 5° 14.8 10° 14.5
Beamwidth, Horizontal Tolerance, degrees	±1.6	±1.7
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.6
USLS, beampeak to 20° above beampeak, dB	14	15
Front-to-Back Total Power at 180° ± 30°, dB	20	21
CPR at Boresight, dB	21	20
CPR at Sector, dB	13	13

Mechanical Specifications

Wind Loading @ Velocity, frontal	392.0 N @ 150 km/h (88.1 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	367.0 N @ 150 km/h (82.5 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	692.0 N @ 150 km/h (155.6 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

LDX-9013DS-VTM

Packaging and Weights

Width, packed	364 mm 14.331 in
Depth, packed	299 mm 11.772 in
Length, packed	2151 mm 84.685 in
Weight, gross	24.7 kg 54.454 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
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 www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

600899A-2

