

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

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	2435 mm 95.866 in
Net Weight, without mounting kit	18.1 kg 39.904 lb

Electrical Specifications

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

Electrical Specifications

Frequency Band, MHz	790–896	870–960
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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	790–896	870–960
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

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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 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