

LDCX-9013DS-VTM



4-port sector antenna, 4x 790–960 MHz, 90° HPBW, RET compatible

- Two DualPol® antennas under one radome
- Each DualPol® array can be independently adjusted for greater flexibility
- Engineered to provide wideband capability to support “Digital Dividend” band applications, future ready

OBSOLETE

This product was discontinued on: March 31, 2023

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, high band	0
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	4
RF Connector Quantity, total	4

Dimensions

Width	549 mm 21.614 in
Depth	165 mm 6.496 in
Length	1830 mm 72.047 in
Net Weight, without mounting kit	30 kg 66.139 lb

Electrical Specifications

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

Electrical Specifications

Frequency Band, MHz	790–862	824–894	870–960
Gain, dBi	14.4	14.8	15.3
Beamwidth, Horizontal, degrees	88.9	86.4	83
Beamwidth, Vertical, degrees	11.3	11.1	10.5
Beam Tilt, degrees	0–10	0–10	0–10
USLS (First Lobe), dB	14	14	15
Front-to-Back Ratio at 180°, dB	26	27	27
CPR at Boresight, dB	18	18	19
CPR at Sector, dB	10	11	11
Isolation, Cross Polarization, dB	30	30	30
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150
Input Power per Port, maximum, watts	300	300	300

Mechanical Specifications

Wind Loading @ Velocity, frontal	1,188.0 N @ 150 km/h (267.1 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	189.0 N @ 150 km/h (42.5 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	1,377.0 N @ 150 km/h (309.6 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	711 mm 27.992 in
Depth, packed	333 mm 13.11 in
Length, packed	2249 mm 88.543 in
Weight, gross	49.5 kg 109.129 lb

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value

LDXX-9013DS-VTM

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

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| BSAMNT-3 | - | Wide Profile Antenna 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. |
| BSAMNT-M | - | Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set. |

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance