

LDX-3316DS-VTM | LDX-3316DS-A1M



2-port sector antenna, 2x 790–960 MHz, 33° HPBW, RET compatible

OBSOLETE

This product was discontinued on: March 27, 2020

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

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	LDX-3316DS-A1M
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Dimensions

Width	591 mm 23.268 in
Depth	179 mm 7.047 in
Length	1306 mm 51.417 in
Net Weight, without mounting kit	17.9 kg 39.463 lb

Electrical Specifications

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

Electrical Specifications

Frequency Band, MHz	790–896	870–960
Gain, dBi	17.8	18.3
Beamwidth, Horizontal, degrees	34	32
Beamwidth, Vertical, degrees	16	15
Beam Tilt, degrees	2–12	2–12
USLS (First Lobe), dB	14	13
Front-to-Back Ratio at 180°, dB	31	36
CPR at Boresight, dB	15	11
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	17.5	17.9
Gain by all Beam Tilts Tolerance, dB	±0.6	±0.3
Gain by Beam Tilt, average, dBi	2° 17.6 7° 17.5 12° 17.5	2° 18.0 7° 18.0 12° 17.7
Beamwidth, Horizontal Tolerance, degrees	±2	±2
Beamwidth, Vertical Tolerance, degrees	±1	±1
USLS, beampeak to 20° above beampeak, dB	14	14
Front-to-Back Total Power at 180° ± 30°, dB	29	29
CPR at Boresight, dB	15	12

Mechanical Specifications

Wind Loading @ Velocity, frontal	933.0 N @ 150 km/h (209.7 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	129.0 N @ 150 km/h (29.0 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	1,059.0 N @ 150 km/h (238.1 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

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Packaging and Weights

Width, packed	814 mm 32.047 in
Depth, packed	320 mm 12.598 in
Length, packed	1712 mm 67.402 in
Weight, gross	29.4 kg 64.816 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

- 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.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance