

LBX_6516DS_TOM



Andrew® Antenna, 806–960 MHz, 65° horizontal beamwidth, fixed electrical tilt

- Excellent gain, VSWR, front-to-back ratio, and PIM specifications for robust network performance
- Ideal solution for dense urban, suburban site applications
- Great solution to maximize network coverage and capacity
- Patented DualPol® technology
- Exceptional horizontal roll-off and front-to-back ratio for superior capacity efficiency

OBSOLETE

This product was discontinued on: December 31, 2015

Replaced By:

LDX-6516DS-VTM	2-port sector antenna, 2x 790–960 MHz, 65° HPBW, RET compatible
LDX-6516DS-A1M	
LDX-6516DS1-VTM	2-port sector antenna, 2x 790–960 MHz, 65° HPBW, RET compatible
LDX-6516DS1-A1M	

Product Classification

Product Brand Andrew® | DualPol®

General Specifications

Antenna Type	DualPol®
Band	Single band
Color	Light gray
Performance Note	Outdoor usage
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	2

Dimensions

Width	311 mm 12.244 in
Length	2445 mm 96.26 in
Depth	143 mm 5.63 in

Electrical Specifications

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Lightning Protection	dc Ground
Operating Frequency Band	806 – 960 MHz

Electrical Specifications

Frequency Band, MHz	806–896	870–960
Gain, dBi	17.8	18.2
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Vertical, degrees	7.6	7.5
Beam Tilt, degrees	0	0
USLS, typical, dB	16	16
Front-to-Back Ratio at 180°, dB	30	30
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	500	500

Material Specifications

Radiator Material	Aluminum
Radome Material	Fiberglass, UV resistant

Mechanical Specifications

Wind Loading at Velocity, maximum	204.9 lbf @ 150 km/h 911.4 N @ 150 km/h
Wind Speed, maximum	241 km/h 149.75 mph

Packaging and Weights

Width, packed	458 mm 18.032 in
Depth, packed	294 mm 11.575 in
Length, packed	2659 mm 104.685 in
Weight, gross	31.5 kg 69.446 lb
Weight, net	14.2 kg 31.306 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance