

LBX-6515DS-TOM



2-port sector antenna, 2x 806–960 MHz, 65° HPBW, fixed tilt

- Extended bandwidth allows one antenna to serve multiple frequency allocations
- Excellent gain, VSWR, front-to-back ratio, and PIM specifications for robust network performance
- Great solution to maximize network coverage and capacity
- Ideal solution for dense urban, suburban site applications
- Excellent vertical and horizontal pattern shaping

OBSOLETE

This product was discontinued on: June 1, 2017

Replaced By

LDX-6515DS-VTM 2-port sector antenna, 2x 790–960 MHz, 65° HPBW, RET compatible

Electrical Specifications

Frequency Band, MHz	806–896	870–960
Gain, dBi	16.5	17.0
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Vertical, degrees	10.7	10.0
Beam Tilt, degrees	0	0
USLS, typical, dB	17	17
Front-to-Back Ratio at 180°, dB	37	38
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
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm

General Specifications

Operating Frequency Band	806 – 960 MHz
Antenna Type	Sector
Band	Single band
Performance Note	Outdoor usage

Mechanical Specifications

RF Connector Quantity, total	2
RF Connector Quantity, low band	2
RF Connector Interface	7-16 DIN Female

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Color	Light gray
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Aluminum
Radome Material	Fiberglass, UV resistant
RF Connector Location	Bottom
Wind Loading, frontal	642.0 N @ 150 km/h 144.3 lbf @ 150 km/h
Wind Loading, lateral	217.0 N @ 150 km/h 48.8 lbf @ 150 km/h
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Length	1837.0 mm 72.3 in
Width	314.0 mm 12.4 in
Depth	140.0 mm 5.5 in
Net Weight, without mounting kit	9.7 kg 21.4 lb

Packed Dimensions

Length	2107.0 mm 83.0 in
Width	418.0 mm 16.5 in
Depth	243.0 mm 9.6 in
Shipping Weight	20.8 kg 45.9 lb

Regulatory Compliance/Certifications

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



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
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