

LBX-3319DS-TOM



2-port sector antenna, 2x 806–960 MHz, 33° HPBW, fixed tilt

- Air dielectric feed system with no screws, rivets, solder, or welding in dipole feed point
- Narrow horizontal beamwidth ideal for corridor coverage or six sector solutions
- Azimuth sidelobe suppression greater than 18 dB

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	Rear
RF Connector Quantity, low band	2
RF Connector Quantity, total	2

Dimensions

Width	591 mm 23.268 in
Depth	182 mm 7.165 in
Length	2577 mm 101.457 in
Net Weight, without mounting kit	21.3 kg 46.958 lb

Electrical Specifications

Impedance	50 ohm
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Operating Frequency Band	806 – 960 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	806–896	870–960
Gain, dBi	20.8	21.3
Beamwidth, Horizontal, degrees	34	32.5
Beamwidth, Vertical, degrees	7.9	7.4
Beam Tilt, degrees	0	0
USLS, typical, dB	22	20
Front-to-Back Ratio at 180°, dB	35	35
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

Mechanical Specifications

Wind Loading @ Velocity, frontal	1,612.0 N @ 150 km/h (362.4 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	342.0 N @ 150 km/h (76.9 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	2,128.0 N @ 150 km/h (478.4 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	730 mm 28.74 in
Depth, packed	283 mm 11.142 in
Length, packed	2780 mm 109.449 in
Weight, gross	45 kg 99.208 lb

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Above 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

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ROHS Compliant/Exempted

UK-ROHS Compliant/Exempted



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