

LNx-6513DS-A1M



2-port sector antenna, 2x 698–896 MHz, 65° HPBW, factory attached actuator

- Extended tilt range offers better coverage
- Great solution to maximize network coverage and capacity
- Excellent gain, VSWR, front-to-back ratio, and PIM specifications for robust network performance
- Fully compatible with Andrew remote electrical tilt system for greater OpEx savings
- The RF connectors are designed for IP67 rating and the radome for IP56 rating

General Specifications

Antenna Type	Sector
Band	Single band
Color	Light gray
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
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

Dimensions

Width	301 mm 11.85 in
Length	1390 mm 54.724 in
Length, with installed actuator	1553 mm 61.142 in
Depth	181 mm 7.126 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	698 – 896 MHz
Polarization	±45°

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Electrical Specifications

Frequency Band, MHz	698–806	806–896
Gain, dBi	14.6	15.1
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Vertical, degrees	16	14.5
Beam Tilt, degrees	0–10	0–10
USLS, typical, dB	20	20
Front-to-Back Ratio at 180°, dB	30	30
CPR at Boresight, dB	12	12
CPR at Sector, dB	10	10
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	400	400

Electrical Specifications, BASTA

Frequency Band, MHz	698–806	806–896
Beamwidth, Horizontal Tolerance, degrees	±3	±3

Mechanical Specifications

Wind Loading at Velocity, frontal	202.0 N @ 150 km/h 46.1 lbf @ 150 km/h
Wind Loading at Velocity, lateral	166.0 N @ 150 km/h 37.3 lbf @ 150 km/h
Wind Loading at Velocity, maximum	390.0 N @ 150 km/h 87.7 lbf @ 150 km/h
Wind Speed, maximum	241 km/h 149.75 mph

Packaging and Weights

Width, packed	411 mm 16.181 in
Depth, packed	284 mm 11.181 in
Length, packed	1706 mm 67.165 in
Net Weight, without mounting kit	14.8 kg 32.628 lb
Weight, gross	30.9 kg 68.123 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

LNx-6513DS-A1M

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