

LDCX-9013DS-VTM



4-port sector antenna, 4x 790–960 MHz, 90° HPBW, RET compatible

- Two DualPol® antennas under one radome
- Each DualPol® array can be independently adjusted for greater flexibility
- Engineered to provide wideband capability to support “Digital Dividend” band applications, future ready

OBSOLETE

This product was discontinued on: March 31, 2023

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, high band | 0 |
| RF Connector Quantity, mid band | 0 |
| RF Connector Quantity, low band | 4 |
| RF Connector Quantity, total | 4 |

Dimensions

| | |
|---|---------------------|
| Width | 549 mm 21.614 in |
| Depth | 165 mm 6.496 in |
| Length | 1830 mm 72.047 in |
| Net Weight, without mounting kit | 30 kg 66.139 lb |

Electrical Specifications

| | |
|------------------|--------|
| Impedance | 50 ohm |
|------------------|--------|

LDCX-9013DS-VTM

| | |
|---------------------------------|---------------|
| Operating Frequency Band | 790 – 960 MHz |
| Polarization | ±45° |

Electrical Specifications

| Frequency Band, MHz | 790–862 | 824–894 | 870–960 |
|---|----------------|----------------|----------------|
| Gain, dBi | 14.4 | 14.8 | 15.3 |
| Beamwidth, Horizontal, degrees | 88.9 | 86.4 | 83 |
| Beamwidth, Vertical, degrees | 11.3 | 11.1 | 10.5 |
| Beam Tilt, degrees | 0–10 | 0–10 | 0–10 |
| USLS (First Lobe), dB | 14 | 14 | 15 |
| Front-to-Back Ratio at 180°, dB | 26 | 27 | 27 |
| CPR at Boresight, dB | 18 | 18 | 19 |
| CPR at Sector, dB | 10 | 11 | 11 |
| Isolation, Cross Polarization, dB | 30 | 30 | 30 |
| VSWR Return loss, dB | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 |
| PIM, 3rd Order, 2 x 20 W, dBc | -150 | -150 | -150 |
| Input Power per Port, maximum, watts | 300 | 300 | 300 |

Mechanical Specifications

| | |
|---|---|
| Wind Loading @ Velocity, frontal | 1,188.0 N @ 150 km/h (267.1 lbf @ 150 km/h) |
| Wind Loading @ Velocity, lateral | 189.0 N @ 150 km/h (42.5 lbf @ 150 km/h) |
| Wind Loading @ Velocity, rear | 1,377.0 N @ 150 km/h (309.6 lbf @ 150 km/h) |
| Wind Speed, maximum | 241 km/h (150 mph) |

Packaging and Weights

| | |
|-----------------------|----------------------|
| Width, packed | 711 mm 27.992 in |
| Depth, packed | 333 mm 13.11 in |
| Length, packed | 2249 mm 88.543 in |
| Weight, gross | 49.5 kg 109.129 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|---|
| CE | Compliant with the relevant CE product directives |
| CHINA-ROHS | Below maximum concentration value |

LDXX-9013DS-VTM

| | |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.andrew.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



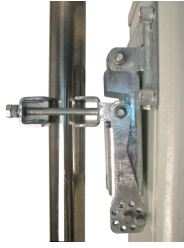
Included Products

- | | | |
|----------|---|--|
| 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. |
| 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

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.

Product Classification

Product Type Downtilt mounting kit

General Specifications

Application Outdoor

Color Silver

Dimensions

Compatible Diameter, maximum 115 mm | 4.528 in

Compatible Diameter, minimum 60 mm | 2.362 in

Weight, net 6.2 kg | 13.669 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 1

Weight, gross 6.4 kg | 14.11 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.andrew.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |

BSAMNT-3



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.

Product Classification

Product Type Downtilt mounting kit

General Specifications

Application Outdoor

Color Silver

Dimensions

Compatible Diameter, maximum 115 mm | 4.528 in

Compatible Diameter, minimum 60 mm | 2.362 in

Weight, net 4.5 kg | 9.921 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 1

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| 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.andrew.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |

