

4P-4L-A2



4-port sector antenna, 4x 694–960 MHz, 65° HPBW, 2x RET

- All Internal RET actuators are connected in “Cascaded SRET” configuration
- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector

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 |
| Reflector Material | Aluminum |
| RF Connector Interface | 4.3-10 Female |
| RF Connector Location | Bottom |
| RF Connector Quantity, low band | 4 |
| RF Connector Quantity, total | 4 |

Remote Electrical Tilt (RET) Information

| | |
|---|-----------------------------------|
| RET Hardware | CommRET v2 |
| RET Interface | 8-pin DIN Female 8-pin DIN Male |
| RET Interface, quantity | 1 female 1 male |
| Input Voltage | 10–30 Vdc |
| Internal RET | Low band (2) |
| Power Consumption, active state, maximum | 10 W |
| Power Consumption, idle state, maximum | 2 W |
| Protocol | 3GPP/AISG 2.0 (Single RET) |

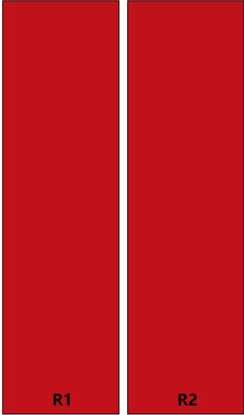
Dimensions

| | |
|--------------|--------------------|
| Width | 467 mm 18.386 in |
|--------------|--------------------|

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Depth 167 mm | 6.575 in
Length 1497 mm | 58.937 in
Net Weight, antenna only 15.6 kg | 34.392 lb

Array Layout



| Array ID | Frequency (MHz) | RF Connector | HPBW | RET (SRET) | AISG No. | RET UID |
|----------|-----------------|--------------|------|------------|----------|------------------|
| R1 | 694-960 | 1 - 2 | 65° | 1 | AISG1 | CPxxxxxxxxxxxxR1 |
| R2 | 694-960 | 3 - 4 | 65° | 2 | AISG1 | CPxxxxxxxxxxxxR2 |

(Sizes of colored boxes are not true depictions of array sizes)

Port Configuration



Electrical Specifications

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| | |
|-----------------------------------|---------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 694 – 960 MHz |
| Polarization | ±45° |
| Total Input Power, maximum | 800 W |
| BASTA Version, electrical | BASTA v12 |

Electrical Specifications

| | R1,R2 | R1,R2 | R1,R2 |
|---|----------------|----------------|----------------|
| Frequency Band, MHz | 694–790 | 790–890 | 890–960 |
| RF Port | 1-4 | 1-4 | 1-4 |
| Gain, dBi | 14.5 | 14.8 | 15.2 |
| Beamwidth, Horizontal, degrees | 62 | 60 | 60 |
| Beamwidth, Vertical, degrees | 15.1 | 13.6 | 12.6 |
| Beam Tilt, degrees | 2–16 | 2–16 | 2–16 |
| USLS (First Lobe), dB | 15 | 18 | 18 |
| Front-to-Back Ratio, Copolarization 180° ± 30°, dB | 27 | 28 | 28 |
| Isolation, Cross Polarization, dB | 25 | 25 | 25 |
| Isolation, Inter-band, dB | 28 | 28 | 28 |
| 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 |

Electrical Specifications, BASTA

| Frequency Band, MHz | 694–790 | 790–890 | 890–960 |
|---|----------------|----------------|----------------|
| Gain by all Beam Tilts, average, dBi | 14.2 | 14.6 | 14.9 |
| Gain by all Beam Tilts Tolerance, dB | ±0.4 | ±0.3 | ±0.5 |
| Beamwidth, Horizontal Tolerance, degrees | ±3 | ±4 | ±4 |
| Beamwidth, Vertical Tolerance, degrees | ±1 | ±0.6 | ±0.9 |
| CPR at Boresight, dB | 25 | 24 | 23 |

Mechanical Specifications

| | |
|---|---|
| Wind Loading @ Velocity, frontal | 595.0 N @ 150 km/h (133.8 lbf @ 150 km/h) |
| Wind Loading @ Velocity, lateral | 222.0 N @ 150 km/h (49.9 lbf @ 150 km/h) |
| Wind Loading @ Velocity, rear | 735.0 N @ 150 km/h (165.2 lbf @ 150 km/h) |
| Wind Speed, maximum | 241 km/h (150 mph) |

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Packaging and Weights

| | |
|-----------------------|---------------------|
| Width, packed | 542 mm 21.339 in |
| Depth, packed | 277 mm 10.906 in |
| Length, packed | 1697 mm 66.811 in |
| Weight, gross | 25 kg 55.116 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 |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



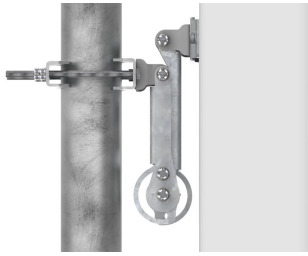
Included Products

- BSAMNT-B95-04 – 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

BSAMNT-B95-04



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 4.5 kg | 9.921 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 2

Regulatory Compliance/Certifications

Agency

CE
ISO 9001:2015

Classification

Compliant with the relevant CE product directives
Designed, manufactured and/or distributed under this quality management system

