

RR-65B-R2VB



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

- All Internal RET actuators are connected in “Cascaded SRET” configuration
- Retractable tilt indicator rods
- 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, high band | 0 |
| RF Connector Quantity, mid band | 0 |
| 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) |

RR-65B-R2VB

Dimensions

| | |
|--------------------------|---------------------|
| Width | 467 mm 18.386 in |
| Depth | 167 mm 6.575 in |
| Length | 1997 mm 78.622 in |
| Net Weight, antenna only | 24.5 kg 54.013 lb |

Array Layout

| Array ID | Frequency (MHz) | RF Connector | HPBW | RET (SRET) | AISG No. | AISG 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



RR-65B-R2VB

Electrical Specifications

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

Electrical Specifications

| | R1,R2 | R1,R2 | R1,R2 |
|--|------------|------------|------------|
| Frequency Band, MHz | 694–790 | 790–890 | 890–960 |
| RF Port | 1,2,3,4 | 1,2,3,4 | 1,2,3,4 |
| Gain, dBi | 15.4 | 15.5 | 16.1 |
| Beamwidth, Horizontal, degrees | 66 | 64 | 66 |
| Beamwidth, Vertical, degrees | 11.2 | 9.7 | 9 |
| Beam Tilt, degrees | 0–10 | 0–10 | 0–10 |
| USLS (First Lobe), dB | 18 | 18 | 19 |
| Front-to-Back Ratio, Copolarization 180° ± 30°, dB | 27 | 29 | 27 |
| Isolation, Cross Polarization, dB | 26 | 26 | 26 |
| Isolation, Inter-band, dB | 26 | 26 | 26 |
| VSWR Return loss, dB | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 |
| PIM, 3rd Order, 2 x 20 W, dBc | -153 | -153 | -153 |
| Input Power per Port, maximum, watts | 300 | 300 | 300 |

Mechanical Specifications

| | |
|----------------------------------|---|
| Wind Loading @ Velocity, frontal | 820.0 N @ 150 km/h (184.3 lbf @ 150 km/h) |
| Wind Loading @ Velocity, lateral | 308.0 N @ 150 km/h (69.2 lbf @ 150 km/h) |
| Wind Loading @ Velocity, rear | 1,010.0 N @ 150 km/h (227.1 lbf @ 150 km/h) |
| Wind Speed, maximum | 241 km/h (150 mph) |

Packaging and Weights

| | |
|----------------|---------------------|
| Width, packed | 542 mm 21.339 in |
| Depth, packed | 277 mm 10.906 in |
| Length, packed | 2197 mm 86.496 in |
| Weight, gross | 36 kg 79.366 lb |

RR-65B-R2VB

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 |



Included Products

| | | |
|---------------|---|--|
| BSAMNT-B95-03 | – | 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-B95-03



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 114.3 mm | 4.5 in

Compatible Diameter, minimum 61 mm | 2.402 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 | Classification |
|---------------|--|
| CE | Compliant with the relevant CE product directives |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

