RVV-65B-R3VB-V2

6-port sector antenna, 2x 694-960 and 4x 1695-2690 MHz, 65° HPBW, 3x 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 Multiband

Color Light Gray (RAL 7035)

Grounding TypeRF connector inner conductor and body grounded to reflector and mounting

bracket

Performance Note Outdoor usage

Radome MaterialFiberglass, UV resistantRadiator MaterialLow loss circuit board

Reflector MaterialAluminumRF Connector Interface4.3-10 Female

RF Connector Location Bottom

RF Connector Quantity, mid band 4
RF Connector Quantity, low band 2
RF Connector Quantity, total 6

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 (1) | Mid band (2)

Power Consumption, active state, maximum $10~\mathrm{W}$ Power Consumption, idle state, maximum $2~\mathrm{W}$

Protocol 3GPP/AISG 2.0 (Single RET)

Dimensions

COMMSCOPE®

RVV-65B-R3VB-V2

 Width
 397 mm | 15.63 in

 Depth
 157 mm | 6.181 in

 Length
 1997 mm | 78.622 in

 Net Weight, antenna only
 19.5 kg | 42.99 lb

Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 1695 – 2690 MHz | 694 – 960 MHz

 ${\bf Polarization} \hspace{2cm} \pm 45^{\circ}$ ${\bf Total Input Power, maximum} \hspace{2cm} 800 \ W$

Electrical Specifications

	R1	R1	R1	Y1,Y2	Y1,Y2	Y1,Y2	Y1,Y2
Frequency Band, MHz	698-806	790-894	890-960	1695-1995	1920-2300	2300-2500	2490-2690
RF Port	1,2	1,2	1,2	3-6	3-6	3-6	3-6
Gain, dBi	16.1	16.4	16.4	18.4	18.9	18.7	19.2
Beamwidth, Horizontal, degrees	61	59	64	59	58	58	58
Beamwidth, Vertical, degrees	12.1	10.9	10	6.2	5.6	5	4.7
Beam Tilt, degrees	2-14	2-14	2-14	2-12	2-12	2-12	2-12
USLS (First Lobe), dB	20	20	19	17	20	20	22
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	29	30	31	31	31	29	29
Isolation, Cross Polarization, dB	28	28	28	28	28	28	28
Isolation, Inter-band, dB	28	28	28	28	28	28	28
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	250	250	250	200	200	200	200

Electrical Specifications, BASTA

Frequency Band, MHz	698-806	790-894	890-960	1695-1995	1920-2300	2300-2500	2490-2690
Gain by all Beam Tilts, average, dBi	15.8	16.4	16.4	17.8	18.5	18.4	18.7
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.4	±0.5	±0.7	±0.5	±0.5	±0.8

Page 2 of 4

RVV-65B-R3VB-V2

Beamwidth, Horizontal Tolerance, degrees	±2	±1	±5	±5	±4	±4	±5
Beamwidth, Vertical Tolerance, degrees	±0.9	±0.9	±0.5	±0.4	±0.4	±0.3	±0.3
CPR at Boresight, dB	23	27	24	22	25	23	25

Mechanical Specifications

 Wind Loading @ Velocity, frontal
 535.0 N @ 150 km/h (120.3 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 290.0 N @ 150 km/h (65.2 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 830.0 N @ 150 km/h (186.6 lbf @ 150 km/h)

Wind Speed, maximum 241 km/h (150 mph)

Packaging and Weights

 Width, packed
 492 mm | 19.37 in

 Depth, packed
 277 mm | 10.906 in

 Length, packed
 2197 mm | 86.496 in

 Weight, gross
 29.5 kg | 65.036 lb

Regulatory Compliance/Certifications

Agency	Classification
Agency	Ciassilication

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

UK-ROHS Compliant

Included Products

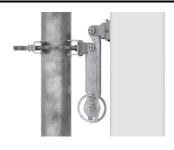
BSAMNT-B95-04 – Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* 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

ApplicationOutdoorColorSilver

Dimensions

Compatible Diameter, maximum115 mm | 4.528 inCompatible Diameter, minimum60 mm | 2.362 inWeight, net4.5 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

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