

# RVV-65D-R3VB01



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
- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Multiband
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Aluminum
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	4.3-10 Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, mid band</b>	4
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	6

## Remote Electrical Tilt (RET) Information

<b>RET Hardware</b>	CommRET v2
<b>RET Interface</b>	8-pin DIN Female   8-pin DIN Male
<b>RET Interface, quantity</b>	1 female   1 male
<b>Input Voltage</b>	10–30 Vdc
<b>Internal RET</b>	Low band (1)   Mid band (2)
<b>Power Consumption, active state, maximum</b>	13 W
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)


## Dimensions

<b>Width</b>	397 mm   15.63 in
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<b>Depth</b>	157 mm   6.181 in
<b>Length</b>	2547 mm   100.276 in
<b>Net Weight, without mounting kit</b>	28.5 kg   62.832 lb

## Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (RET)	AISG No.	RET UID
R1	694-960	1 - 2	1	AISG1	ANxxxxxxxxxxxxxxxxR1
Y1	1695-2690	3 - 4	2	AISG1	ANxxxxxxxxxxxxxxxxY1
Y2	1695-2690	5 - 6	3	AISG1	ANxxxxxxxxxxxxxxxxY2

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

## Port Configuration



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2690 MHz   694 – 960 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	900 W

## Electrical Specifications

R1                      R1                      R1                      Y1,Y2                      Y1,Y2                      Y1,Y2                      Y1,Y2

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Frequency Band, MHz	694–790	790–890	890–960	1695–1920	1920–2200	2300–2500	2500–2690
RF Port	1,2	1,2	1,2	3-6	3-6	3-6	3-6
Gain, dBi	16.7	17.3	17.7	17.5	18.4	18.9	19.2
Beamwidth, Horizontal, degrees	66	62	59	67	64	64	63
Beamwidth, Vertical, degrees	8.6	7.7	7	5.7	5	4.3	4
Beam Tilt, degrees	2–12	2–12	2–12	2–12	2–12	2–12	2–12
USLS (First Lobe), dB	17	18	17	18	20	19	18
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	28	31	31	27	31	31	28
CPR at Boresight, dB	23	26	25	26	25	31	31
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

## Mechanical Specifications

Wind Loading @ Velocity, frontal	669.0 N @ 150 km/h (150.4 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	366.0 N @ 150 km/h (82.3 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	1,080.0 N @ 150 km/h (242.8 lbf @ 150 km/h)
Wind Speed, maximum	200 km/h (124 mph)

## Packaging and Weights

Width, packed	472 mm   18.583 in
Depth, packed	232 mm   9.134 in
Length, packed	2787 mm   109.724 in
Weight, gross	40.6 kg   89.508 lb

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
UK-ROHS	Compliant

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## Included Products

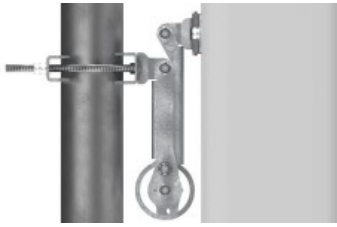
- BSAMNT-B95-04A – Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

## \* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance

# BSAMNT-B95-04A

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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** 5.1 kg | 11.244 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

## 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

