

RR-65C-R2VB-V201



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, 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	13 W
Power Consumption, idle state, maximum	2 W
Protocol	3GPP/AISG 2.0 (Single RET)


Dimensions

Width	427 mm 16.811 in
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Depth	157 mm 6.181 in
Length	2497 mm 98.307 in
Net Weight, without mounting kit	26.3 kg 57.982 lb

Array Layout



Array ID	Frequency (MHz)	RF Connector	HPBW	RET (SRET)	AISG No.	RET UID
R1	694-960	1 - 2	65°	1	AISG1	ANxxxxxxxxxxxxxxxxR1
R2	694-960	3 - 4	65°	2	AISG1	ANxxxxxxxxxxxxxxxxR2

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

Port Configuration



Electrical Specifications

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

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Electrical Specifications

	R1,R2	R1,R2	R1,R2
Frequency Band, MHz	694–806	790–894	890–960
RF Port	1-4	1-4	1-4
Gain, dBi	16.2	16.6	16.8
Beamwidth, Horizontal, degrees	65	61	58
Beamwidth, Vertical, degrees	8.6	7.8	7.4
Beam Tilt, degrees	0–10	0–10	0–10
USLS (First Lobe), dB	22	26	26
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	27	29	28
CPR at Boresight, dB	24	25	25
Isolation, Cross Polarization, dB	25	25	25
Isolation, Inter-band, dB	25	25	25
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	965.0 N @ 150 km/h (216.9 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	402.0 N @ 150 km/h (90.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	1,174.0 N @ 150 km/h (263.9 lbf @ 150 km/h)
Wind Speed, maximum	200 km/h (124 mph)

Packaging and Weights

Width, packed	502 mm 19.764 in
Depth, packed	232 mm 9.134 in
Length, packed	2737 mm 107.756 in
Weight, gross	39.5 kg 87.082 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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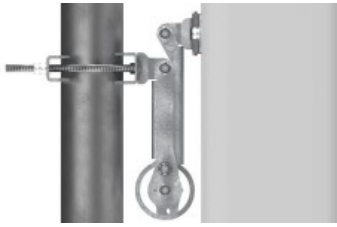
Included Products

- 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



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

