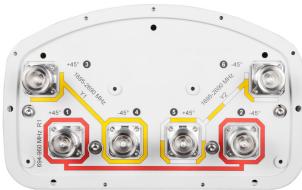


# RVV65A-M



6-port sector antenna, 2x 694–960 and 4x 1695–2690 MHz, 65° HPBW, RET compatible

- Three DualPol® antennas under one radome
- Utilizes AccuRET® actuator(s) on the back of the antenna
- High band antennas are arranged side-by-side for optimum MIMO 4x4/4x2 performance

## OBsolete

This product was discontinued on: November 30, 2023

Replaced By:

RVV-65A-R3

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

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Multiband
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage   Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Aluminum   Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	4
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	6

## Remote Electrical Tilt (RET) Information

**Model with Factory Installed AISG 2.0 Actuator** RVV65A-3X2

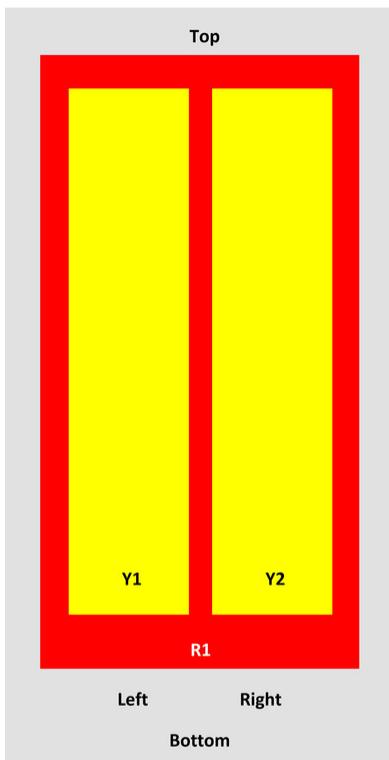
# RVV65A-M

## Dimensions

<b>Width</b>	301 mm   11.85 in
<b>Depth</b>	181 mm   7.126 in
<b>Length</b>	1412 mm   55.591 in
<b>Net Weight, without mounting kit</b>	17.4 kg   38.36 lb

## Array Layout

RVV65A-M, RVV65A-3X2



Array	Freq (MHz)	Conn
R1	694-960	1-2
Y1	1695-2690	3-4
Y2	1695-2690	5-6

View from the front of the antenna

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

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2690 MHz   694 – 960 MHz
<b>Polarization</b>	$\pm 45^\circ$

# RVV65A-M

**Total Input Power, maximum** 650 W @ 50 °C

## Electrical Specifications

Frequency Band, MHz	694–790	790–890	890–960	1695–1920	1920–2180	2300–2690
<b>Gain, dBi</b>	14.2	14.3	14.6	17.4	17.9	18.3
<b>Beamwidth, Horizontal, degrees</b>	73	71	69	60	63	61
<b>Beamwidth, Vertical, degrees</b>	16.9	15.3	14.3	7.1	6.5	5.4
<b>Beam Tilt, degrees</b>	3–18	3–18	3–18	3–13	3–13	3–13
<b>USLS (First Lobe), dB</b>	15	15	13	16	15	14
<b>Front-to-Back Ratio at 180°, dB</b>	28	35	30	31	31	31
<b>Isolation, Cross Polarization, dB</b>	25	25	25	25	25	25
<b>Isolation, Inter-band, dB</b>	30	30	30	30	30	30
<b>VSWR   Return loss, dB</b>	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150	-150	-150	-150
<b>Input Power per Port at 50°C, maximum, watts</b>	300	300	300	250	250	200

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	205.0 N @ 150 km/h (46.1 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	169.0 N @ 150 km/h (38.0 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	396.0 N @ 150 km/h (89.0 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	208.0 N @ 150 km/h (46.8 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	429 mm   16.89 in
<b>Depth, packed</b>	329 mm   12.953 in
<b>Length, packed</b>	1672 mm   65.827 in
<b>Weight, gross</b>	30.7 kg   67.682 lb

## Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives

# RVV65A-M

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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 <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

BSAMNT-OFFSET - Forward Offset Pipe Mounting Kit for 4.5 in (114.3 mm) OD round members

## \* Footnotes

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

# BSAMNT-OFFSET

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Forward Offset Pipe Mounting Kit for 4.5 in (114.3 mm) OD round members

## Product Classification

<b>Product Type</b>	Pipe mounting kit
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## General Specifications

<b>Application</b>	Outdoor
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<b>Color</b>	Silver
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## Dimensions

<b>Compatible Diameter, maximum</b>	114.3 mm   4.5 in
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<b>Compatible Diameter, minimum</b>	61 mm   2.402 in
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<b>Weight, net</b>	3.5 kg   7.716 lb
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## Material Specifications

<b>Material Type</b>	Galvanized steel
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## Packaging and Weights

<b>Included</b>	Brackets   Hardware
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<b>Packaging quantity</b>	1
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
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 <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



# BSAMNT-OFFSET

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