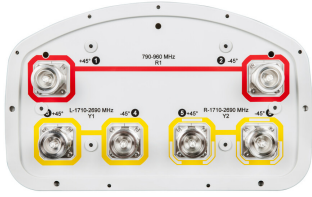


# CVV65BSX-M | CVV65BSX-3X2



6-port sector antenna, 2x 790–960 and 4x 1710–2690 MHz, 65° HPBW, RET compatible

- Utilizes AccuRET® actuator(s) on the back of the antenna

## OBSOLETE

This product was discontinued on: November 30, 2023

### Replaced By:

6P-2L4M-B3  
RVV-65B-R3

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

RVV-65B-R3VB

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
<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

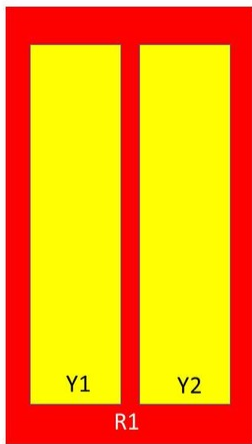
<b>Model with Factory Installed AISG 2.0 Actuator</b>	CVV65BSX-3X2
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# CVV65BSX-M | CVV65BSX-3X2

## Dimensions

<b>Width</b>	301 mm   11.85 in
<b>Depth</b>	181 mm   7.126 in
<b>Length</b>	1974 mm   77.717 in
<b>Net Weight, without mounting kit</b>	18.8 kg   41.447 lb

## Array Layout



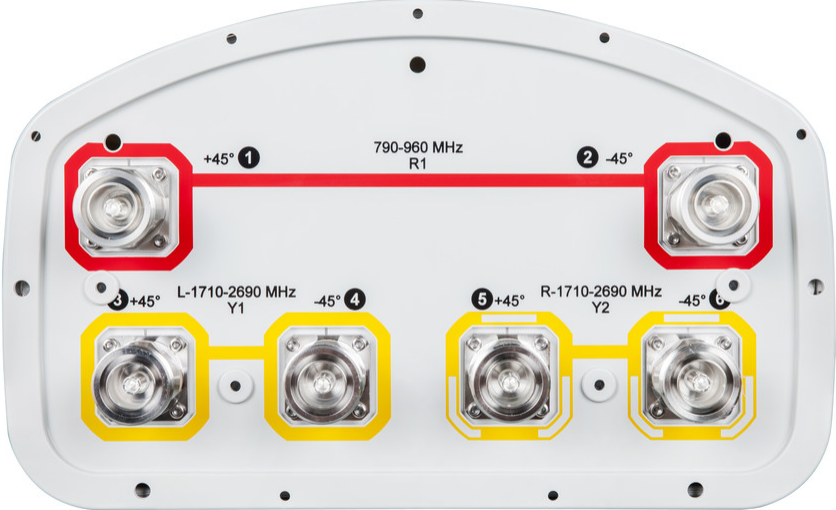
Array	Freq (MHz)	Conns
R1	790-960	1-2
Y1	1710-2690	3-4
Y2	1710-2690	5-6

Left      Right  
Bottom

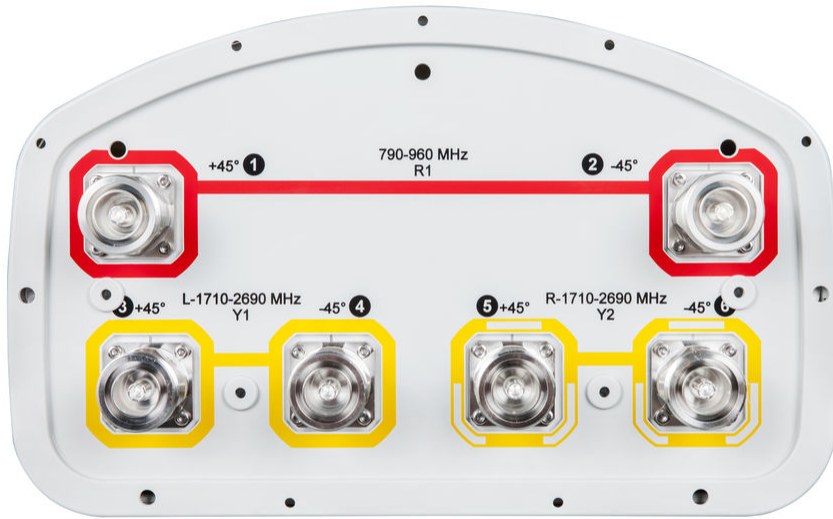
(Sizes of colored boxes are not true depictions of array sizes)

## Port Configuration

# CVV65BSX-M | CVV65BSX-3X2



# CVV65BSX-M | CVV65BSX-3X2



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1710 – 2690 MHz   790 – 960 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

Frequency Band, MHz	790–896	870–960	1710–1880	1850–1990	1920–2180	2300–2500	2500–2690
<b>Gain, dBi</b>	15.9	16	17.6	17.5	17.9	17.6	18.2
<b>Beamwidth, Horizontal, degrees</b>	62	60.8	70	68	67	58	60
<b>Beamwidth, Vertical, degrees</b>	10.5	9.6	5.6	5.3	5.1	4.3	4.1
<b>Beam Tilt, degrees</b>	0–10	0–10	2–12	2–12	2–12	2–12	2–12

# CVV65BSX-M | CVV65BSX-3X2

<b>USLS (First Lobe), dB</b>	15	15	14	14	15	14	14
<b>Front-to-Back Ratio at 180°, dB</b>	29	30	29	30	24	26	29
<b>Isolation, Cross Polarization, dB</b>	28	28	28	28	28	28	28
<b>Isolation, Inter-band, dB</b>	30	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	1.5 14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150	-150	-150	-150	-150
<b>Input Power per Port, maximum, watts</b>	350	350	350	350	350	300	300

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	306.0 N @ 150 km/h (68.8 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	253.0 N @ 150 km/h (56.9 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	589.0 N @ 150 km/h (132.4 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	310.0 N @ 150 km/h (69.7 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	411 mm   16.181 in
<b>Depth, packed</b>	298 mm   11.732 in
<b>Length, packed</b>	2161 mm   85.079 in
<b>Weight, gross</b>	32 kg   70.548 lb

## 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



## Included Products

# CVV65BSX-M | CVV65BSX-3X2

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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



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

## Product Classification

**Product Type** Pipe 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** 3.5 kg | 7.716 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

## Regulatory Compliance/Certifications

Agency	Classification
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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