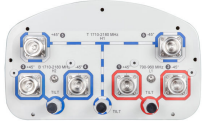


# MBDHH-65C-VTM



6-port sector antenna, 2x 790–960 and 4x 1710–2180 MHz, 65° HPBW, RET compatible

- Three DualPol® antennas under one radome

## OBSOLETE

This product was discontinued on: **March 31, 2021**

### Replaced By:

RVV-65D-R3

6-port sector antenna, 2 x 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>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, low band</b>	2
<b>RF Connector Quantity, total</b>	6

## Dimensions

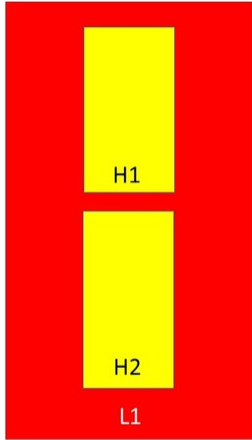
<b>Width</b>	301 mm   11.85 in
<b>Depth</b>	181 mm   7.126 in
<b>Length</b>	2578 mm   101.496 in

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**Net Weight, without mounting kit**

23.5 kg | 51.809 lb

## Array Layout



Array	Freq (MHz)	Conns
L1	790-960	1-2
H1	1710-2180	5-6
H2	1710-2180	3-4

Left Bottom Right

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

## Electrical Specifications

**Impedance**

50 ohm

**Operating Frequency Band**

1710 – 2180 MHz | 790 – 960 MHz

**Polarization**

±45°

## Electrical Specifications

	LB	LB	HB1	HB1	HB1	HB2	HB2	HB2
<b>Frequency Band, MHz</b>	<b>790-896</b>	<b>870-960</b>	<b>1710-1880</b>	<b>1850-1990</b>	<b>1920-2180</b>	<b>1710-1880</b>	<b>1850-1990</b>	<b>1920-2180</b>
<b>Gain, dBi</b>	16.5	17	17.4	17.5	17.5	16.6	16.6	16.8
<b>Beamwidth, Horizontal, degrees</b>	69	67	59	59	58	62	60	58
<b>Beamwidth, Vertical, degrees</b>	7.9	7.1	7.1	6.7	6.2	7	6.7	6.3
<b>Beam Tilt, degrees</b>	1-9	1-9	0-10	0-10	0-10	0-10	0-10	0-10
<b>USLS, typical, dB</b>	15	16	14	14	15	14	14	14
<b>Front-to-Back Ratio at 180°, dB</b>	27	32	31	29	29	30	29	28
<b>CPR at Boresight, dB</b>	22	24	20	19	18	20	20	18
<b>CPR at Sector, dB</b>	14	8	12	14	12	12	12	13
<b>Isolation, Cross Polarization,</b>	30	30	30	30	30	30	30	30

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dB

<b>Isolation, Inter-band, dB</b>	30	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	1.5 14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150	-150	-150	-150	-150	-150
<b>Input Power per Port, maximum, watts</b>	300	300	250	250	250	250	250	250

## Electrical Specifications, BASTA

<b>Frequency Band, MHz</b>	<b>790-896</b>	<b>870-960</b>	<b>1710-1880</b>	<b>1850-1990</b>	<b>1920-2180</b>	<b>1710-1880</b>	<b>1850-1990</b>	<b>1920-2180</b>
<b>Beamwidth, Horizontal Tolerance, degrees</b>	±3	±4.0	±5	±5	±5	±5	±5	±4.0

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	420.0 N @ 150 km/h (94.4 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	355.0 N @ 150 km/h (79.8 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	809.0 N @ 150 km/h (181.9 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	426.0 N @ 150 km/h (95.8 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	413 mm   16.26 in
<b>Depth, packed</b>	292 mm   11.496 in
<b>Length, packed</b>	2894 mm   113.937 in
<b>Weight, gross</b>	39.1 kg   86.201 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.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



# MBDHH-65C-VTM

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## Included Products

- BSAMNT-3 – 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-3



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** 6.2 kg | 13.669 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

**Weight, gross** 6.4 kg | 14.11 lb

## 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.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

# BSAMNT-3

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