# 6V-10M-R6

12-port multibeam antenna, 12x 1695–2690 MHz, 6x 10-14° HPBW

## General Specifications

| | |
|---|---|
| **Antenna Type** | Multi-beam |
| **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** | Low loss circuit board |
| **Reflector Material** | Aluminum |
| **RF Connector Interface** | 4.3-10 Female |
| **RF Connector Location** | Bottom |
| **RF Connector Quantity, mid band** | 12 |
| **RF Connector Quantity, total** | 12 |

## Dimensions

| | |
|---|---|
| **Width** | 970 mm \| 38.189 in |
| **Depth** | 235 mm \| 9.252 in |
| **Length** | 900 mm \| 35.433 in |
| **Net Weight, antenna only** | 43.8 kg \| 96.562 lb |

## Array Layout



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Revised: May 28, 2026

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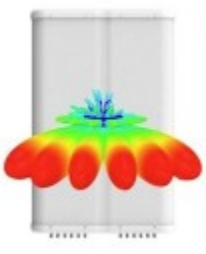

| Array ID | Frequency (MHz) | RF Connector | RET (SRET) | AISG No. | RET UID |
|---|---|---|---|---|---|
| Y1 | 1695-2690 | 1 - 2 | 1 | AISG1 | AN[illegible]1 |
| Y2 | 1695-2690 | 3 - 4 | 2 | AISG1 | AN[illegible]2 |
| Y3 | 1695-2690 | 5 - 6 | 3 | AISG1 | AN[illegible]3 |
| Y4 | 1695-2690 | 7 - 8 | 4 | AISG1 | AN[illegible]4 |
| Y5 | 1695-2690 | 9 - 10 | 5 | AISG1 | AN[illegible]5 |
| Y6 | 1695-2690 | 11 - 12 | 6 | AISG1 | AN[illegible]6 |

## Port Configuration

## Electrical Specifications

| | |
|---|---|
| **Impedance** | 50 ohm |
| **Operating Frequency Band** | 1695 – 2690 MHz |
| **Polarization** | ±45° |
| **Total Input Power, maximum** | 1,000 W |

## Electrical Specifications

| | Y1-Y6 | Y1-Y6 | Y1-Y6 | Y1-Y6 | Y1-Y6 |
|---|---|---|---|---|---|
| **Frequency Band, MHz** | **1695–1880** | **1850–1990** | **1920–2180** | **2300–2500** | **2500–2690** |
| **RF Port** | P1-P12 | P1-P12 | P1-P12 | P1-P12 | P1-P12 |
| **Gain, dBi** | 22 | 22.4 | 22.6 | 23.4 | 23.3 |



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| | | | | | |
|---|---|---|---|---|---|
| **Beam Centers, Horizontal, degrees** | ±8<br>±24<br>±40 | ±8<br>±24<br>±40 | ±8<br>±24<br>±40 | ±8<br>±24<br>±40 | ±8<br>±24<br>±40 |
| **Beam Crossover, dB** | 7 | 8 | 9 | 10 | 13 |
| **Beamwidth, Horizontal, degrees** | 12 | 11 | 11 | 9 | 9 |
| **Beamwidth, Vertical, degrees** | 11.9 | 11.2 | 10.5 | 9.1 | 8.4 |
| **Beam Tilt, degrees** | 4–10 | 4–10 | 4–10 | 4–10 | 4–10 |
| **USLS (First Lobe), dB** | 11 | 10 | 10 | 12 | 11 |
| **Isolation, Cross Polarization, dB** | 25 | 25 | 25 | 25 | 25 |
| **Isolation, Beam to Beam, dB** | 19 | 19 | 19 | 19 | 18 |
| **VSWR \| Return loss, dB** | 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 |
| **Input Power per Port, maximum, watts** | 200 | 200 | 200 | 200 | 200 |

## Mechanical Specifications

| | |
|---|---|
| **Wind Loading @ Velocity, frontal** | 1,116.0 N @ 150 km/h (250.9 lbf @ 150 km/h) |
| **Wind Loading @ Velocity, lateral** | 341.0 N @ 150 km/h (76.7 lbf @ 150 km/h) |
| **Wind Loading @ Velocity, rear** | 1,116.0 N @ 150 km/h (250.9 lbf @ 150 km/h) |
| **Wind Speed, maximum** | 241 km/h (150 mph) |

## Packaging and Weights

| | |
|---|---|
| **Width, packed** | 1122 mm \| 44.173 in |
| **Depth, packed** | 561 mm \| 22.087 in |
| **Length, packed** | 1166 mm \| 45.906 in |
| **Weight, gross** | 65.5 kg \| 144.403 lb |

## Regulatory Compliance/Certifications

| **Agency** | **Classification** |
|---|---|
| UK-ROHS | Compliant |

## Included Products

| | | |
|---|---|---|
| BSAMNT-9 | – | 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



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



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# BSAMNT-9

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 |

## Material Specifications

| | |
|---|---|
| **Material Type** | Galvanized steel |

## Packaging and Weights

| | |
|---|---|
| **Included** | Brackets \| Hardware |
| **Packaging quantity** | 1 |
| **Weight, gross** | 9.7 kg \| 21.385 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 www.andrew.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



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# BSAMNT-9



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