

MMM65A-M | MMM65A-3X2



6-port sector antenna, 6x 1710–2690 MHz, 65° HPBW, RET compatible

- Provides a future-ready antenna solution with flexibility to reassign antenna, for example GSM 1800 service to 2.6GHz LTE at a later date
- Excellent solution for site sharing and maximizing capacity
- Employs state-of-the-art ultra wideband technology providing excellent RF performance in all bands
- This series of single ultra wideband antennas features the new, innovative AccuRET® AISG compatible actuator fitted to the antenna's backside reducing the overall wind load

OBSOLETE

This product was discontinued on: March 27, 2020

Replaced By:

6P-6M-A3
V3-65A-R3

6-port sector antenna, 6x 1695–2690 MHz, 65° HPBW, 3x RET

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 | Low loss circuit board |
| RF Connector Interface | 7-16 DIN Female |
| RF Connector Location | Bottom |
| RF Connector Quantity, high band | 6 |
| RF Connector Quantity, mid band | 0 |
| RF Connector Quantity, low band | 0 |
| RF Connector Quantity, total | 6 |

Remote Electrical Tilt (RET) Information

| | |
|---|------------|
| Model with Factory Installed AISG 2.0 Actuator | MMM65A-3X2 |
|---|------------|

MMM65A-M | MMM65A-3X2

Dimensions

| | |
|---|---------------------|
| Width | 504 mm 19.843 in |
| Depth | 118 mm 4.646 in |
| Length | 1390 mm 54.724 in |
| Net Weight, without mounting kit | 19.6 kg 43.211 lb |

Electrical Specifications

| | |
|---------------------------------|-----------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 1710 – 2690 MHz |
| Polarization | ±45° |

Electrical Specifications

| Frequency Band, MHz | 1710–1880 | 1850–1990 | 1920–2180 | 2300–2500 | 2500–2690 |
|---|-----------|-----------|-----------|-----------|-----------|
| Gain, dBi | 17.6 | 17.7 | 18 | 18.1 | 18.5 |
| Beamwidth, Horizontal, degrees | 64.9 | 64.8 | 65 | 62.3 | 62.5 |
| Beamwidth, Vertical, degrees | 6.7 | 6.3 | 6 | 5.2 | 5 |
| Beam Tilt, degrees | 0–10 | 0–10 | 0–10 | 0–10 | 0–10 |
| USLS (First Lobe), dB | 14 | 14 | 14 | 17 | 18 |
| Front-to-Back Ratio at 180°, dB | 24 | 25 | 26 | 29 | 27 |
| Isolation, Cross Polarization, dB | 30 | 30 | 30 | 30 | 30 |
| Isolation, Inter-band, dB | 28 | 30 | 30 | 30 | 30 |
| 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 | 350 | 350 | 350 | 350 | 350 |

Mechanical Specifications

| | |
|---|---|
| Wind Loading @ Velocity, frontal | 715.0 N @ 150 km/h (160.7 lbf @ 150 km/h) |
| Wind Loading @ Velocity, lateral | 77.0 N @ 150 km/h (17.3 lbf @ 150 km/h) |
| Wind Loading @ Velocity, rear | 908.0 N @ 150 km/h (204.1 lbf @ 150 km/h) |
| Wind Speed, maximum | 241 km/h (150 mph) |

Packaging and Weights

MMM65A-M | MMM65A-3X2

| | |
|-----------------------|---------------------|
| Width, packed | 637 mm 25.079 in |
| Depth, packed | 277 mm 10.906 in |
| Length, packed | 1614 mm 63.543 in |
| Weight, gross | 31.5 kg 69.446 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CE | Compliant with the relevant CE product directives |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



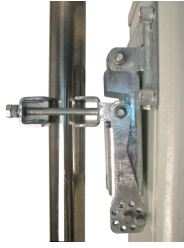
Included Products

| | | |
|----------|---|--|
| 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 www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |

BSAMNT-3

