

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	6-port sector antenna, 6x 1695–2690 MHz, 65° HPBW, 3x RET
V3-65A-R3	
V3-65A-R3	6-port sector antenna, 6x 1695–2690 MHz, 65° HPBW, 3x RET with tilt scales

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, total	6

Remote Electrical Tilt (RET) Information

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

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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

Electrical Specifications, BASTA

Frequency Band, MHz	1710–1880	1850–1990	1920–2180	2300–2500	2500–2690
Gain by all Beam Tilts, average, dBi	17.1	17.3	17.7	18	18
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.4	±0.6	±0.3	±0.4
Gain by Beam Tilt, average, dBi	0° 17.0 5° 17.2 10° 17.1	0° 17.3 5° 17.4 10° 17.2	0° 17.7 5° 17.8 10° 17.5	0° 17.8 5° 18.1 10° 18.0	0° 18.0 5° 18.1 10° 17.7
Beamwidth, Horizontal	±4.0	±3.1	±3.8	±3.5	±5.1

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Tolerance, degrees

Beamwidth, Vertical Tolerance, degrees	±0.3	±0.3	±0.5	±0.2	±0.2
USLS, beampeak to 20° above beampeak, dB	15	15	16	19	20
Front-to-Back Total Power at 180° ± 30°, dB	23.1	23.7	24.3	24.5	23.3
CPR at Boresight, dB	16	17	16	18	19
CPR at Sector, dB	14	12	11	8	10

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

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.
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* Footnotes

Performance Note

Severe environmental conditions may degrade optimum performance