

10-port sector/multibeam antenna, 2x 694–960 MHz 65° HPBW and 8x 1710–2180 MHz 4x 33°HPBW, 5x RET with tilt indicators

- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector
- All Internal RET actuators are connected in "Cascaded SRET" configuration
- Enhances network capacity through six sectors on high band while maintaining low band coverage layer through three sectors with only three antenna faces

General Specifications

Antenna Type	Multibeam
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	8
RF Connector Quantity, low band	2
RF Connector Quantity, total	10

Remote Electrical Tilt (RET) Information

RET Hardware	CommRET v2
RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	1 female 1 male
Input Voltage	10-30 Vdc
Internal RET	High band (4) Low band (1)
Power Consumption, idle state, maximum	1 W
Power Consumption, normal conditions, maximum	8 W
Protocol	3GPP/AISG 2.0 (Single RET)

Dimensions

Page 1 of 8



Width	350 mm 13.78 in
Depth	208 mm 8.189 in
Length	1580 mm 62.205 in
Net Weight, with installed actuator	25 kg 55.115 lb

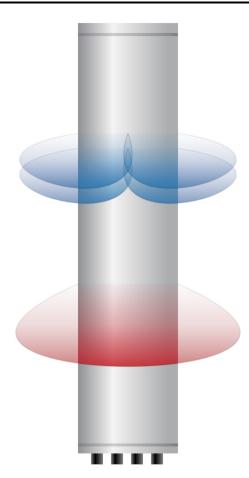
Array Layout

		Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
		R1	694-960	1-2	1	CPxxxxxxxxxxxxxR1
В	3,B4	B1	1710-2180	3-4	2	CPxxxxxxxxxxxxB1
		B2	1710-2180	5-6	3	CPxxxxxxxxxxxxB2
		B3	1710-2180	7-8	4	СРххххххххххххххХВЗ
B	1,B2	B4	1710-2180	9-10	5	CPxxxxxxxxxxxxB4
	R1					
Left	Right 3ottom		colored boxes are no ictions of array sizes			6

Beams Configuration

Page 2 of 8

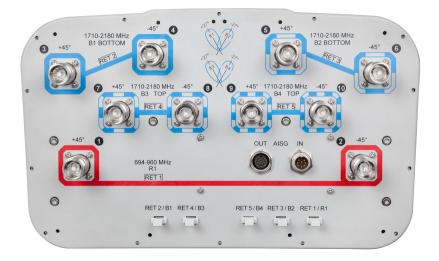




Port Configuration

Page 3 of 8





Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 - 2180 MHz 694 - 960 MHz
Polarization	±45°
Total Input Power, maximum	1,000 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	694-790	790-890	880-960	1710-1880	1850-1990	1920-2180
Gain, dBi	14.4	14.8	14.9	15.9	16.5	17.1
Beam Centers, Horizontal, degrees				±27	±27	±27
Beamwidth, Horizontal, degrees	69	67	65	33	32	30
Beamwidth, Vertical, degrees	13.5	12.3	11.5	11.9	11.2	10.6
Beam Tilt, degrees	2-14	2-14	2-14	2-14	2-14	2-14
USLS (First Lobe), dB	14	16	17	17	18	19
Front-to-Back Ratio at 180°, dB	32	34	33	31	34	35
Isolation, Cross Polarization, dB	28	28	28	25	25	25

Page 4 of 8

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Isolation, Inter-band, dB	30	30	30	25	25	25
Isolation, Beam to Beam, dB				17	17	17
VSWR Return loss, dB	1.46 14.5	1.46 14.5	1.46 14.5	1.46 14.5	1.46 14.5	1.46 14.5
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150
Input Power per Port at 50°C, maximum, watts	300	300	300	200	200	200

Electrical Specifications, BASTA

Frequency Band, MHz	694-790	790-890	880-960	1710-1880	1850-1990	1920-2180
Gain by all Beam Tilts, average, dBi	14.2	14.6	14.7	15.2	16	16.5
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.4	±0.4	±1	±0.6	±0.8
Gain by Beam Tilt, average, dBi	2 ° 14.3 8 ° 14.2 14 ° 13.9	2 ° 14.6 8 ° 14.7 14 ° 14.3	2 ° 14.9 8 ° 14.8 14 ° 14.4	2 ° 15.2 8 ° 15.3 14 ° 14.8	2 ° 16.0 8 ° 16.2 14 ° 15.7	2 ° 16.5 8 ° 16.7 14 ° 16.1
Beamwidth, Horizontal Tolerance, degrees	±1.9	±2.3	±2.2	±1.7	±1.7	±1.7
Beamwidth, Vertical Tolerance, degrees	±1	±0.8	±0.7	±1	±0.9	±0.9
USLS, beampeak to 20° above beampeak, dB	14	16	16	17	18	18
Front-to-Back Total Power at 180° ± 30°, dB	24	24	22	24	26	27
CPR at Boresight, dB	16	16	17	14	15	16
CPR at Sector, dB	11	10	9			
CPR at 10 dB Horizontal Beamwidth, dB				8	11	11

Mechanical Specifications

Packaging and Weights

Width, packed

460 mm | 18.11 in

Page 5 of 8

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Depth, packed	372 mm 14.646 in
Length, packed	1867 mm 73.504 in
Weight, gross	38 kg 83.776 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted
Included Product	ts

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

Page 6 of 8



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

Page 7 of 8







Page 8 of 8

