

4-port sector antenna, 4x 617-894 MHz, 45° HPBW, 1x RET

- Narrow beamwidth capacity antenna for higher level of densification and enhanced data throughput
- High gain for maximum coverage

General Specifications

Antenna Type Sector

Band Single band

Color Light Gray (RAL 7035)

Grounding TypeRF connector inner conductor and body grounded to reflector and mounting

bracket

Performance Note Outdoor usage

Radome Material Fiberglass, UV resistant

Reflector Material Aluminum

RF Connector Interface 4.3-10 Female

RF Connector Location Bottom

RF Connector Quantity, high band 0
RF Connector Quantity, mid band 0
RF Connector Quantity, low band 4
RF Connector Quantity, total 4

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 Voltage10-30 VdcInternal RETLow band (1)

Power Consumption, active state, maximum 10 W Power Consumption, idle state, maximum 2 W

Protocol 3GPP/AISG 2.0 (Single RET)

Dimensions



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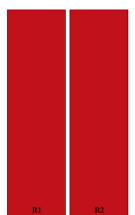
Width 970 mm | 38.189 in

Depth 235 mm | 9.252 in

Length 2438 mm | 95.984 in

Net Weight, without mounting kit 81.8 kg | 180.338 lb

Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (SRET)	AISG No.	AISG RET UID
R1	617-894	1 - 2	4	AICC1	60
R2	617-894	3 - 4		AISG1	CPxxxxxxxxxxxxxxxR1

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

Port Configuration



Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 617 – 894 MHz

Polarization ±45°

Total Input Power, maximum 600 W @ 50 °C

Electrical Specifications

 Frequency Band, MHz
 617–698
 698–803
 817–894

 Gain, dBi
 17.5
 18
 18.1

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Beamwidth, Horizontal, degrees	48	42	39
Beamwidth, Vertical, degrees	10.2	9.2	7.9
Beam Tilt, degrees	0-10	0-10	0-10
USLS (First Lobe), dB	18	19	17
Front-to-Back Ratio at 180°, dB	42	37	36
CPR at Boresight, dB	20	19	18
Isolation, Cross Polarization, dB	25	25	25
Isolation, Inter-band, dB	25	25	25
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150
Input Power per Port at 50°C, maximum, watts	250	250	250

Mechanical Specifications

Wind Loading @ Velocity, frontal	3,022.0 N @ 150 km/h (679.4 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	922.0 N @ 150 km/h (207.3 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	3,022.0 N @ 150 km/h (679.4 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	1122 mm 44.173 in		
Depth, packed	575 mm 22.638 in		
Length, packed	2689 mm 105.866 in		
Weight, gross	124 kg 273.373 lb		

Regulatory Compliance/Certifications

Agency	Classification
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



Included Products



FF-45C-R1

BSAMNT-8

Wide Profile Antenna Down tilt Mounting Kit for 3.0 - 4.5 in (75 - 115mm) 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-8



Wide Profile Antenna Down tilt Mounting Kit for 3.0 - 4.5 in (75 - 115mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

Product Classification

Product Type Downtilt mounting kit

General Specifications

ApplicationOutdoorColorSilver

Dimensions

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity

Weight, gross 6.2 kg | 13.669 lb

Regulatory Compliance/Certifications

AgencyClassificationCECompliant with the relevant CE product directivesCHINA-ROHSAbove maximum concentration valueISO 9001:2015Designed, manufactured and/or distributed under this quality management systemROHSCompliant/ExemptedUK-ROHSCompliant/Exempted



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