

4-port sector antenna, 4x 694-960 MHz, 65° HPBW, 2x RET

- All Internal RET actuators are connected in "Cascaded SRET" configuration
- Retractable tilt indicator rods
- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector

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

Radiator MaterialAluminumReflector MaterialAluminum

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 (2)

Power Consumption, active state, maximum $10~\mathrm{W}$ Power Consumption, idle state, maximum $2~\mathrm{W}$

Protocol 3GPP/AISG 2.0 (Single RET)



Dimensions

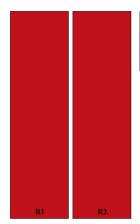
Width 467 mm | 18.386 in

Depth 167 mm | 6.575 in

Length 1997 mm | 78.622 in

Net Weight, antenna only 24.5 kg | 54.013 lb

Array Layout



Array ID	Frequency (MHz)	RF Connector	HPBW	RET (SRET)	AISG No.	AISG RET UID
R1	694-960	1 - 2	65°	1	AISG1	CPxxxxxxxxxxxxxXR1
R2	694-960	3 - 4	65°	2	AISG1	CPxxxxxxxxxxxxxxxR2

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

Port Configuration



Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 694 – 960 MHz

 ${\bf Polarization} \hspace{1.5cm} \pm 45^{\circ}$ ${\bf Total Input Power, maximum} \hspace{1.5cm} 800 \ {\bf W}$

Electrical Specifications

	R1,R2	R1,R2	R1,R2
Frequency Band, MHz	694-790	790-890	890-960
RF Port	1,2,3,4	1,2,3,4	1,2,3,4
Gain, dBi	15.4	15.5	16.1
Beamwidth, Horizontal, degrees	66	64	66
Beamwidth, Vertical, degrees	11.2	9.7	9
Beam Tilt, degrees	0-10	0-10	0-10
USLS (First Lobe), dB	18	18	19
Front-to-Back Ratio, Copolarization 180° \pm 30°, dB	27	29	27
Isolation, Cross Polarization, dB	26	26	26
Isolation, Inter-band, dB	26	26	26
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153
Input Power per Port, maximum, watts	300	300	300

Mechanical Specifications

 Wind Loading @ Velocity, frontal
 820.0 N @ 150 km/h (184.3 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 308.0 N @ 150 km/h (69.2 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 1,010.0 N @ 150 km/h (227.1 lbf @ 150 km/h)

Wind Speed, maximum 241 km/h (150 mph)

Packaging and Weights

 Width, packed
 542 mm | 21.339 in

 Depth, packed
 277 mm | 10.906 in

 Length, packed
 2197 mm | 86.496 in

 Weight, gross
 36 kg | 79.366 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.andrew.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant



Included Products

BSAMNT-B95-03 – 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-B95-03



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

ApplicationOutdoorColorSilver

Dimensions

Compatible Diameter, maximum114.3 mm | 4.5 inCompatible Diameter, minimum61 mm | 2.402 inWeight, net4.5 kg | 9.921 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 2

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

CE

