

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

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

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 (2)

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

Protocol 3GPP/AISG 2.0 (Single RET)

Dimensions



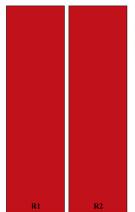
Width 467 mm | 18.386 in

Depth 167 mm | 6.575 in

Length 1497 mm | 58.937 in

Net Weight, antenna only 19 kg | 41.888 lb

Array Layout



rray ID	Frequency (MHz)	RF Connector	HPBW	RET (SRET)	AISG No.	AISG RET UID
R1	694-960	1 - 2	65°	1	AISG1	CPxxxxxxxxxxxxxxxR1
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

Frequency Band, MHz	698-806	790-896	890-960
Gain at Mid Tilt, dBi	14	14.7	14.8
Beamwidth, Horizontal, degrees	65	66	67
Beamwidth, Vertical, degrees	15	13.5	12.4
Beam Tilt, degrees	2-16	2-16	2-16
USLS (First Lobe), dB	15	17	18
Front-to-Back Ratio at 180°, dB	32	32	32
Front-to-Back Total Power at 180° ± 30°, dB	22	23	22
CPR at Boresight, dB	28	28	25
Isolation, Cross Polarization, dB	25	25	25
Isolation, Inter-band, dB	28	28	28
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
 595.0 N @ 150 km/h (133.8 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 222.0 N @ 150 km/h (49.9 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 735.0 N @ 150 km/h (165.2 lbf @ 150 km/h)

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

Packaging and Weights

 Width, packed
 562 mm | 22.126 in

 Depth, packed
 287 mm | 11.299 in

 Length, packed
 1697 mm | 66.811 in

 Weight, gross
 28.7 kg | 63.273 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

