

4-port sector antenna, 4x 617–894 MHz, 65° HPBW, 2x RET, 600MHzReady Antenna Technology

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 NoteOutdoor usageRF Connector Interface4.3-10 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 13 W Power Consumption, idle state, maximum 2 W

Protocol 3GPP/AISG 2.0 (Single RET)

Dimensions

 Width
 498 mm | 19.606 in

 Depth
 197 mm | 7.756 in



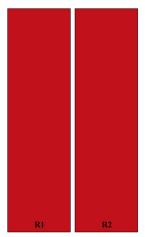
Length

1828 mm | 71.969 in

Net Weight, antenna only

29.7 kg | 65.477 lb

Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (SRET)	AISG RET UID
R1	617-894	1 - 2	1	CPxxxxxxxxxxxxxxR1
R2	617-894	3 - 4	2	CPxxxxxxxxxxxxxR2

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

Port Configuration



Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 617 – 894 MHz

ANDREW® an Amphenol company

Polarization ±45°

Total Input Power, maximum 900 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	617-698	698-894
RF Port	1-4	1-4
Gain, dBi	13.9	15.1
Beamwidth, Horizontal, degrees	70	60
Beamwidth, Vertical, degrees	14.6	12.3
Beam Tilt, degrees	2-14	2-14
USLS (First Lobe), dB	16	15
Front-to-Back Ratio at 180°, dB	27	30
Front-to-Back Total Power at 180° ± 30°, dB	21	20
Isolation, Cross Polarization, dB	25	25
Isolation, Inter-band, dB	25	25
VSWR Return loss, dB	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-153
Input Power per Port at 50°C, maximum, watts	250	250

Mechanical Specifications

 Wind Loading @ Velocity, frontal
 711.0 N @ 150 km/h (159.8 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 229.0 N @ 150 km/h (51.5 lbf @ 150 km/h)

 Wind Loading @ Velocity, maximum
 998.0 N @ 150 km/h (224.4 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 563.0 N @ 150 km/h (126.6 lbf @ 150 km/h)

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

Packaging and Weights

 Width, packed
 565 mm | 22.244 in

 Depth, packed
 309 mm | 12.165 in

 Length, packed
 2015 mm | 79.331 in

 Weight, gross
 43.4 kg | 95.681 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 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.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance



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

ApplicationOutdoorColorSilver

Dimensions

Agency

Compatible Diameter, maximum115 mm | 4.528 inCompatible Diameter, minimum60 mm | 2.362 inWeight, net6.2 kg | 13.669 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity

Weight, gross 6.4 kg | 14.11 lb

Regulatory Compliance/Certifications

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.andrew.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant



