

4-port small cell antenna, 4x 3300–4200 MHz, 65° HPBW, fixed electrical tilt

- Supports 4T4R radios operating in B42, B43, Bn77, Bn78
- NEX10 connectors on back
- In cases where the antenna is to be mounted on a customer supplied pole (40-100mm diameter), Qty1 Mounting Kit Part No. BSAMNT-S should be purchased separately
- Designed for strand mounting with OEM equipment

General Specifications

Antenna Type Small Cell

Band Single band

Color Light Gray (RAL 7035)

Grounding Type RF connector inner conductor and body grounded to reflector and mounting bracket

Performance Note Outdoor usage

Radome MaterialASA+PC, UV stabilizedRadiator MaterialLow loss circuit board

Reflector Material Aluminum

RF Connector Interface NEX10 Female

RF Connector Location Side back

RF Connector Quantity, high band 4
RF Connector Quantity, total 4

Dimensions

 Width
 200 mm | 7.874 in

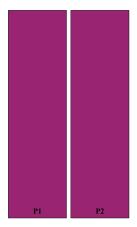
 Depth
 44 mm | 1.732 in

 Length
 200 mm | 7.874 in

 Net Weight, antenna only
 0.7 kg | 1.543 lb

Array Layout





Array ID	Frequency (MHz)	RF Connector	HPBW	RET (N/A)	AISG No.	AISG RET UID
P1	3300-4200	1 - 2	65°	NI/A	NIA.	NI
P2	3300-4200	3 - 4	65°	N/A	NA	N/A

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

Port Configuration



Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 3300 – 4200 MHz

COMMSCOPE®

Polarization ±45°

Electrical Specifications

	P1,P2	P1,P2
Frequency Band, MHz	3300-3800	3700-4200
RF Port	1,2,3,4	1,2,3,4
Gain at Mid Tilt, dBi	12.7	12.9
Beamwidth, Horizontal, degrees	63	62
Beamwidth, Vertical, degrees	27.5	25
Beam Tilt, degrees	6	6
USLS (First Lobe), dB	18	18
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	31	29
Isolation, Cross Polarization, dB	22	22
Isolation, Inter-band, dB	22	22
VSWR Return loss, dB	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-140	-140
Input Power per Port, maximum, watts	50	50

Electrical Specifications, BASTA

Frequency Band, MHz	3300-3800	3700-4200
Gain by all Beam Tilts, average, dBi	12.5	12.6
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.4
Beamwidth, Horizontal Tolerance, degrees	±1.9	±2.4
Beamwidth, Vertical Tolerance, degrees	±2.1	±1.4
CPR at Boresight, dB	16	19
CPR at Sector, dB	10	10

Mechanical Specifications

 Wind Loading @ Velocity, frontal
 60.8 N @ 150 km/h (13.7 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 13.4 N @ 150 km/h (3.0 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 60.8 N @ 150 km/h (13.7 lbf @ 150 km/h)

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

Packaging and Weights

Width, packed 250 mm | 9.843 in

COMMSC PE®

 Depth, packed
 125 mm | 4.921 in

 Length, packed
 250 mm | 9.843 in

 Weight, gross
 1 kg | 2.205 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



* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance