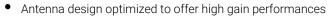
8-port sector antenna, 4 x 694–960 and 4 x 1695–2690 MHz, 65° HPBW, 2x RET



• Array configuration provides capability for 4T4R (4x MIMO) on Low band and Mid band

### General Specifications

Depth

Antenna Type	Sector
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, mid band	4
RF Connector Quantity, low band	4
RF Connector Quantity, total	8

### 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 Voltage	10-30 Vdc
Internal RET	Low band (1)   Mid band (1)
Power Consumption, active state, maximum	10 W
Power Consumption, idle state, maximum	2 W
Protocol	3GPP/AISG 2.0 (Single RET)
Dimensions	
Width	430 mm   16.929 in

197 mm | 7.756 in

Page 1 of 5



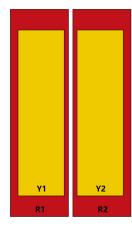
#### Length

Net Weight, antenna only

2100 mm | 82.677 in

29 kg | 63.934 lb

### Array Layout



Array ID	Frequency (MHz)	RF Connector	HPBW	RET (SRET)	AISG No.	RET UID
R1	694-960	1 - 2	65°	1	AISG1	CPxxxxxxxxxxxxxxxR1
R2	694-960	3 - 4	65°	'	AISGT	CPXXXXXXXXXXXXXXXXXXXXXX
Y1	1695-2690	5 - 6	65°	2	AISG1	CPxxxxxxxxxxxxxXXXXXXXXXXXXXXXXXXXXXXXX
Y2	1695-2690	7 - 8	65°	2	AISGT	CPXXXXXXXXXXXXXXXXXXXX

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

# Port Configuration

Page 2 of 5





# **Electrical Specifications**

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz   694 – 960 MHz
Polarization	±45°
Total Input Power, maximum	900 W @ 50 °C

# **Electrical Specifications**

	R1,R2	R1,R2	R1,R2	Y1,Y2	Y1,Y2	Y1,Y2	Y1,Y2	Y1,Y2
Frequency Band, MHz	703-803	824-894	890-960	1695-192	0 1850–1990	0 1920-220	0 2300-250	0 2500-2690
RF Port	1-4	1-4	1-4	5-8	5-8	5-8	5-8	5-8
Gain, dBi	14.5	15.3	15.4	18.4	18.8	19.2	19.6	19.5
Beamwidth, Horizontal,	71	63	61	61	58	58	57	59

Page 3 of 5



degrees								
Beamwidth, Vertical, degrees	10.8	9.5	8.6	5.9	5.6	5.2	4.5	4.3
Beam Tilt, degrees	2-14	2-14	2-14	2-12	2-12	2-12	2-12	2-12
USLS (First Lobe), dB	21	17	16	17	17	17	17	19
Front-to-Back Ratio at 180°, dB	32	31	29	35	35	35	36	36
Isolation, Cross Polarization, dB	27	27	27	26	26	26	26	26
Isolation, Inter-band, dB	27	27	27	26	26	26	26	26
VSWR   Return loss, dB	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153	-153	-153
Input Power per Port at 50°C, maximum, watts	300	300	300	250	250	250	200	200

### Mechanical Specifications

Wind Loading @ Velocity, frontal	494.0 N @ 150 km/h (111.1 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	266.0 N @ 150 km/h (59.8 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	780.0 N @ 150 km/h (175.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	319.0 N @ 150 km/h (71.7 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

### Packaging and Weights

Width, packed	530 mm   20.866 in
Depth, packed	349 mm   13.74 in
Length, packed	2272 mm   89.449 in
Weight, gross	41.8 kg   92.153 lb

#### Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
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.

Page 4 of 5

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: January 16, 2025

**COMMSCOPE**°

### \* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

Page 5 of 5

