

# 2P-2L-C1



2-port sector antenna, 2x 694–960 MHz, 65° HPBW, 1x RET

- Utilizes RET-PMOD-A20-1A01

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Grounding Type</b>	RF connector body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	4.3-10 Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	0
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	2

## Remote Electrical Tilt (RET) Information

<b>RET Hardware</b>	CommRET v2
<b>RET Interface</b>	2x 8 pin connector as per IEC 60130-9 Daisy chain in: Male / Daisy chain out: Female Pin3: RS485A(AISG_B), Pin5: RS485B(AISG_A), Pin6: DC 10~30V, Pin7: DC_ Return
<b>RET Interface, quantity</b>	1 female   1 male
<b>Input Voltage</b>	10–30 Vdc
<b>Internal RET</b>	Low band (1)
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Power Consumption, normal conditions, maximum</b>	10 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

# 2P-2L-C1

<b>Width</b>	320 mm   12.598 in
<b>Depth</b>	140 mm   5.512 in
<b>Length</b>	2500 mm   98.425 in
<b>Net Weight, without mounting kit</b>	21 kg   46.297 lb

## Port Configuration



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	694 – 960 MHz
<b>Polarization</b>	$\pm 45^\circ$
<b>Total Input Power, maximum</b>	500 W

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>694–790</b>	<b>790–890</b>	<b>890–960</b>
<b>Gain, dBi</b>	16.8	17.4	17.8
<b>Beamwidth, Horizontal, degrees</b>	69	66	63
<b>Beamwidth, Vertical, degrees</b>	8.9	7.8	7.2
<b>Beam Tilt, degrees</b>	3–12	3–12	3–12
<b>USLS (First Lobe), dB</b>	17	20	18

# 2P-2L-C1

<b>Front-to-Back Ratio, Copolarization 180° ± 30°, dB</b>	31	33	31
<b>Isolation, Cross Polarization, dB</b>	28	28	28
<b>VSWR   Return loss, dB</b>	1.5   14.0	1.5   14.0	1.5   14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153
<b>Input Power per Port, maximum, watts</b>	300	300	300

## Mechanical Specifications

<b>Mechanical Tilt Range</b>	0°–10°
<b>Wind Loading @ Velocity, frontal</b>	418.0 N @ 150 km/h (94.0 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	378.0 N @ 150 km/h (85.0 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	915.0 N @ 150 km/h (205.7 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	425 mm   16.732 in
<b>Depth, packed</b>	235 mm   9.252 in
<b>Length, packed</b>	2780 mm   109.449 in
<b>Weight, gross</b>	30.6 kg   67.461 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

BSAMNT-B95-01	–	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

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
-------------------------	---