

# 6P-6M-A3 | V3-65A-R3



6-port sector antenna, 6x 1695–2690 MHz, 65° HPBW, 3x RET

- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector
- With tilt indicators and integrated pluggable RET
- Utilizes RET-PMOD-A20-3A01
- Conforms to RoHS 2011/65/EU

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Aluminum
<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>	6
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	0
<b>RF Connector Quantity, total</b>	6

## 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>	High band (3)
<b>Power Consumption, active state, maximum</b>	10 W
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Power Consumption, normal conditions, maximum</b>	10 W

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**Protocol** 3GPP/AISG 2.0 (Single RET)

## Dimensions

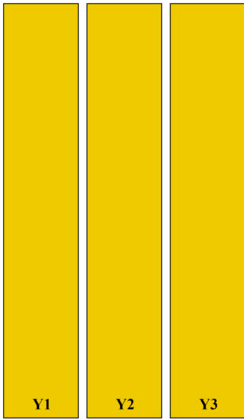
**Width** 377 mm | 14.843 in

**Depth** 87 mm | 3.425 in

**Length** 1397 mm | 55 in

**Net Weight, without mounting kit** 15.5 kg | 34.172 lb

## Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (SRET)	AISG RET UID
Y1	1695-2690	1 - 2	1	CPxxxxxxxxxxxxxxxxY1
Y2	1695-2690	3 - 4	2	CPxxxxxxxxxxxxxxxxY2
Y3	1695-2690	5 - 6	3	CPxxxxxxxxxxxxxxxxY3

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

## Port Configuration

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## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2690 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	600 W

## Electrical Specifications

Frequency Band, MHz	1695–1880	1850–1990	1920–2200	2300–2500	2500–2690
<b>Gain, dBi</b>	17.1	17.5	17.9	18.3	18.2
<b>Beamwidth, Horizontal, degrees</b>	67	65	63	59	58
<b>Beamwidth, Vertical, degrees</b>	7.2	6.9	6.4	5.5	5.3
<b>Beam Tilt, degrees</b>	2–12	2–12	2–12	2–12	2–12
<b>USLS (First Lobe), dB</b>	19	21	19	18	20
<b>Isolation, Cross Polarization, dB</b>	28	28	28	28	28
<b>Isolation, Inter-band, dB</b>	28	28	28	28	28
<b>VSWR   Return loss, dB</b>	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150	-150	-150
<b>Input Power per Port,</b>	250	250	250	250	250

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## maximum, watts

<b>Input Total Power per Antenna at 50°C, maximum, watts</b>	250	250	250	250	250
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## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	524.0 N @ 150 km/h (117.8 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	58.0 N @ 150 km/h (13.0 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	482.0 N @ 150 km/h (108.4 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	472 mm   18.583 in
<b>Depth, packed</b>	207 mm   8.15 in
<b>Length, packed</b>	1627 mm   64.055 in
<b>Weight, gross</b>	23 kg   50.706 lb
<b>Weight, net</b>	15.5 kg   34.172 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
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.