## 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

Antenna Type Sector

**Band** Single band

Color Light Gray (RAL 7035)

**Grounding Type** RF connector inner conductor and body grounded to reflector and

mounting bracket

**Radome Material** Fiberglass, UV resistant

Radiator MaterialAluminumReflector MaterialAluminum

**RF Connector Interface** 4.3-10 Female

**RF Connector Location** Bottom

RF Connector Quantity, high band 6
RF Connector Quantity, mid band 0
RF Connector Quantity, low band 0
RF Connector Quantity, total 6

#### Remote Electrical Tilt (RET) Information

**RET Hardware** CommRET v2

**RET Interface** 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

**RET Interface, quantity** 1 female | 1 male

Input Voltage 10-30 Vdc

Internal RET High band (3)

Power Consumption, active state, maximum10 WPower Consumption, idle state, maximum2 WPower Consumption, normal conditions, maximum10 W

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

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

**Dimensions** 

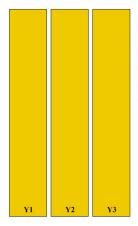
**Width** 377 mm | 14.843 in

**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	CPxxxxxxxxxxxxxY1	
Y2	1695-2690	3 - 4	2	CPxxxxxxxxxxxxxY2	
Y3	1695-2690	5 - 6	3	CPxxxxxxxxxxxxxY3	

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

## Port Configuration



## **Electrical Specifications**

**Impedance** 50 ohm

**Operating Frequency Band** 1695 – 2690 MHz

 ${\bf Polarization} \hspace{2.5cm} \pm 45^{\circ}$   ${\bf Total Input Power, maximum} \hspace{2.5cm} 600 \ {\bf W}$ 

## **Electrical Specifications**

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

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

maximum, watts

**Input Total Power per** 250 250 250 250 250

Antenna at 50°C, maximum,

watts

Mechanical Specifications

 Wind Loading @ Velocity, frontal
 524.0 N @ 150 km/h (117.8 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 58.0 N @ 150 km/h (13.0 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 482.0 N @ 150 km/h (108.4 lbf @ 150 km/h)

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

Packaging and Weights

 Width, packed
 472 mm | 18.583 in

 Depth, packed
 207 mm | 8.15 in

 Length, packed
 1627 mm | 64.055 in

 Weight, gross
 23 kg | 50.706 lb

**Weight, net** 15.5 kg | 34.172 lb

### Regulatory Compliance/Certifications

Agency 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



#### 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.



# 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.

**Product Classification** 

**Product Type** Downtilt mounting kit

General Specifications

ApplicationOutdoorColorSilver

**Dimensions** 

Compatible Diameter, maximum114.3 mm | 4.5 inCompatible Diameter, minimum61 mm | 2.402 inWeight, net4.5 kg | 9.921 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 2

Regulatory Compliance/Certifications

Agency Classification

CE Compliant with the relevant CE product directives

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

CE

