

# 6P-6M-A0

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6-port sector antenna, 6x 1695–2690 MHz, 65° HPBW, tilt adjustment by manual control module

## General Specifications

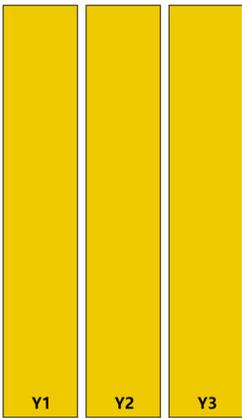
<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Aluminum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

## Dimensions

<b>Width</b>	377 mm   14.843 in
<b>Depth</b>	87 mm   3.425 in
<b>Length</b>	1397 mm   55 in
<b>Net Weight, antenna only</b>	14.6 kg   32.187 lb

## Array Layout

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Array ID	Frequency (MHz)	RF Connector	HPBW	RET (N/A)	AISG No.	RET UID
Y1	1695-2690	1 - 2	65°	N/A	NA	N/A
Y2	1695-2690	3 - 4	65°			
Y3	1695-2690	5 - 6	65°			

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

## Port Configuration



## 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

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## Electrical Specifications

	Y1-Y3	Y1-Y3	Y1-Y3	Y1-Y3	Y1-Y3
<b>Frequency Band, MHz</b>	<b>1695–1880</b>	<b>1850–1990</b>	<b>1920–2200</b>	<b>2300–2500</b>	<b>2500–2690</b>
<b>RF Port</b>	1-6	1-6	1-6	1-6	1-6
<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>Front-to-Back Ratio, Copolarization 180° ± 30°, dB</b>	31	33	32	31	30
<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, maximum, watts</b>	250	250	250	250	250

## 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

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
UK-ROHS	Compliant

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## 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.

## \* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance