6P-6M-A0



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

General Specifications

| BandSingle bandColorLight Gray (RAL 7035)Grounding TypeRF connector inner conductor and body grounded to reflector and mounting bracketPerformance NoteOutdoor usageRadome MaterialFiberglass, UV resistantRadiator MaterialAluminumReflector MaterialAluminumRF Connector InterfaceBattomRF Connector LocationOutdoor Single AluminumRF Connector Quantity, high bandOutdoor Single AluminumRF Connector Quantity, not bandOutdoor Single AluminumRF | Antenna Type | Sector |
|---|----------------------------------|--|
| Grounding TypeRF connector inner conductor and body grounded to reflector and mounting bracketPerformance NoteOutdoor usageRadome MaterialFiberglass, UV resistantRadiator MaterialAluminumReflector MaterialAluminumRF Connector Interface4.3-10 FemaleRF Connector LocationBottomRF Connector Quantity, high band0RF Connector Quantity, mid band6RF Connector Quantity, now band0 | Band | Single band |
| Performance NoteOutdoor usageRadome MaterialFiberglass, UV resistantRadiator MaterialAluminumReflector MaterialAluminumRF Connector Interface4.3-10 FemaleRF Connector Quantity, high band0RF Connector Quantity, mid band0RF Connector Quantity, neglematic0RF Connector Quantity, neglematic <th>Color</th> <th>Light Gray (RAL 7035)</th> | Color | Light Gray (RAL 7035) |
| Radome MaterialFiberglass, UV resistantRadiator MaterialAluminumReflector MaterialAluminumRF Connector Interface4.3-10 FemaleRF Connector LocationBottomRF Connector Quantity, high band0RF Connector Quantity, number6RF Connector Quantity, number0RF Connector Quantity, number< | Grounding Type | RF connector inner conductor and body grounded to reflector and mounting bracket |
| Radiator MaterialAluminumReflector MaterialAluminumRF Connector Interface4.3-10 FemaleRF Connector LocationBottomRF Connector Quantity, high band0RF Connector Quantity, mid band6RF Connector Quantity, neglemant0RF Connector Quantity, neglemant0 | Performance Note | Outdoor usage |
| Reflector MaterialAluminumRF Connector Interface4.3-10 FemaleRF Connector LocationBottomRF Connector Quantity, high band0RF Connector Quantity, mid band6.3RF Connector Quantity, negretaria0.3RF Connector Quantity, negretaria< | Radome Material | Fiberglass, UV resistant |
| RF Connector Interface4.3-10 FemaleRF Connector LocationBottomRF Connector Quantity, high band0RF Connector Quantity, mid band6RF Connector Quantity, low band0 | Radiator Material | Aluminum |
| RF Connector LocationBottomRF Connector Quantity, high band0RF Connector Quantity, mid band6RF Connector Quantity, low band0 | Reflector Material | Aluminum |
| RF Connector Quantity, high band0RF Connector Quantity, mid band6RF Connector Quantity, low band0 | RF Connector Interface | 4.3-10 Female |
| RF Connector Quantity, mid band6RF Connector Quantity, low band0 | RF Connector Location | Bottom |
| RF Connector Quantity, low band 0 | RF Connector Quantity, high band | 0 |
| | RF Connector Quantity, mid band | 6 |
| RF Connector Quantity, total 6 | RF Connector Quantity, low band | 0 |
| | RF Connector Quantity, total | 6 |
| Dimensions | Dimensions | |
| Width 377 mm 14.843 in | Width | 377 mm 14.843 in |
| Depth 87 mm 3.425 in | Depth | 87 mm 3.425 in |
| Length 1397 mm 55 in | Length | 1397 mm 55 in |
| Net Weight, antenna only14.6 kg 32.187 lb | Net Weight, antenna only | 14.6 kg 32.187 lb |

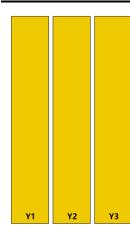
Array Layout

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| Array I | D Frequency (MHz) | RF Connector | HPBW | RET (N/A) | AISG No. | RET UID |
|---------|----------------------|--------------|------|--------------|----------|---------|
| ¥1 | 1695-2690 | 1 - 2 | 65° | | | |
| ¥2 | 1695-2690 | 3 - 4 | 65° | N/A | NA | N/A |
| ¥3 | 1695-2690 | 5 - 6 | 65° | | | |

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

Port Configuration



Electrical Specifications

| Impedance | 50 ohm |
|----------------------------|-----------------|
| Operating Frequency Band | 1695 – 2690 MHz |
| Polarization | ±45° |
| Total Input Power, maximum | 600 W |

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6P-6M-A0

Electrical Specifications

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

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 |

Regulatory Compliance/Certifications

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

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management system

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

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