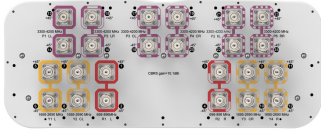


NNV4S6-65S-F4



24-port, 4x 698-896MHz, 8x 1695-2690MHz, 12x 3300-4200MHz, 65°, 2 ft, 4deg fixed tilt for 698-896MHz and 1695-2690MHz, 0deg fixed tilt for 3300-4200MHz

General Specifications

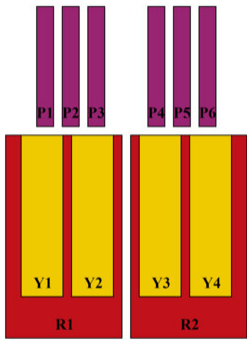
| | |
|---|--|
| Antenna Type | Small Cell |
| Band | Multiband |
| Color | Light Gray (RAL 7035) |
| Grounding Type | RF connector inner conductor and body grounded to reflector and mounting bracket |
| Performance Note | Outdoor usage |
| Radome Material | Fiberglass, UV resistant |
| Reflector Material | Aluminum |
| RF Connector Interface | 4.3-10 Female |
| RF Connector Location | Bottom |
| RF Connector Quantity, high band | 12 |
| RF Connector Quantity, mid band | 8 |
| RF Connector Quantity, low band | 4 |
| RF Connector Quantity, total | 24 |

Dimensions

| | |
|---------------------------------|--------------------|
| Width | 498 mm 19.606 in |
| Depth | 197 mm 7.756 in |
| Length | 610 mm 24.016 in |
| Net Weight, antenna only | 14 kg 30.865 lb |

Array Layout

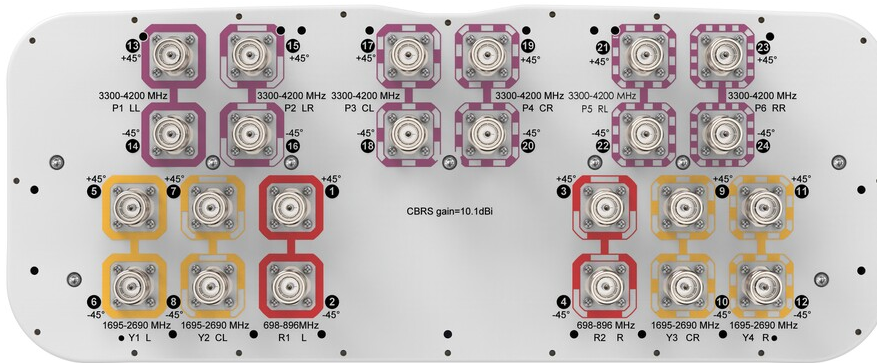
NNV4S6-65S-F4



| Array ID | Frequency (MHz) | RF Connector | RET (N/A) | AISG No. | AISG RET UID |
|----------|-----------------|--------------|-----------|----------|--------------|
| R1 | 698-896 | 1 - 2 | N/A | NA | N/A |
| R2 | 698-896 | 3 - 4 | | | |
| Y1 | 1695-2690 | 5 - 6 | | | |
| Y2 | 1695-2690 | 7 - 8 | | | |
| Y3 | 1695-2690 | 9 - 10 | | | |
| Y4 | 1695-2690 | 11 - 12 | | | |
| P1 | 3300-4200 | 13 - 14 | | | |
| P2 | 3300-4200 | 15 - 16 | | | |
| P3 | 3300-4200 | 17 - 18 | | | |
| P4 | 3300-4200 | 19 - 20 | | | |
| P5 | 3300-4200 | 21 - 22 | | | |
| P6 | 3300-4200 | 23 - 24 | | | |

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

Port Configuration



Electrical Specifications

| | |
|---------------------------------|---|
| Impedance | 50 ohm |
| Operating Frequency Band | 1695 – 2690 MHz 3300 – 4200 MHz 698 – 896 MHz |
| Polarization | ±45° |

NNV4S6-65S-F4

Total Input Power, maximum 1,000 W @ 50 °C

Electrical Specifications

| Frequency Band, MHz | 698–806 | 824–896 | 1695–1920 | 1920–2180 | 2300–2690 | 3300–3550 | 3550–3700 | 3700–4200 |
|---|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Gain, dBi | 9.8 | 10 | 12.8 | 13.5 | 14.2 | 10.5 | 10.4 | 10.7 |
| Beamwidth, Horizontal, degrees | 82 | 78 | 70 | 65 | 58 | 57 | 63 | 64 |
| Beamwidth, Vertical, degrees | 41 | 38.1 | 18.8 | 17.4 | 14 | 33.8 | 33.3 | 30.9 |
| Beam Tilt, degrees | 4 | 4 | 4 | 4 | 4 | 0 | 0 | 0 |
| Front-to-Back Ratio at 180°, dB | 21 | 21 | 23 | 28 | 28 | 25 | 21 | 21 |
| Isolation, Cross Polarization, dB | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| VSWR Return loss, dB | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 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 | -153 | -153 | -153 | -153 | -153 | -145 | -145 | -145 |
| Input Power per Port at 50°C, maximum, watts | 100 | 100 | 100 | 100 | 100 | 50 | 50 | 50 |

Mechanical Specifications

| | |
|---|--|
| Wind Loading @ Velocity, frontal | 219.0 N @ 150 km/h (49.2 lbf @ 150 km/h) |
| Wind Loading @ Velocity, lateral | 64.0 N @ 150 km/h (14.4 lbf @ 150 km/h) |
| Wind Loading @ Velocity, maximum | 285.0 N @ 150 km/h (64.1 lbf @ 150 km/h) |
| Wind Loading @ Velocity, rear | 180.0 N @ 150 km/h (40.5 lbf @ 150 km/h) |
| Wind Speed, maximum | 241 km/h (150 mph) |

Packaging and Weights

| | |
|-----------------------|--------------------|
| Width, packed | 608 mm 23.937 in |
| Depth, packed | 352 mm 13.858 in |
| Length, packed | 782 mm 30.787 in |
| Weight, gross | 24 kg 52.911 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| 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.commscope.com/ProductCompliance |

NNV4S6-65S-F4

ROHS Compliant

UK-ROHS Compliant



Included Products

BSAMNT-3 – 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