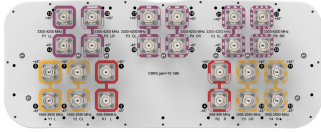


# NNV4S6-65S-F4

---



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

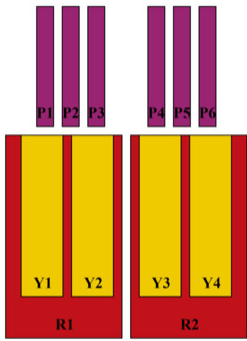
<b>Antenna Type</b>	Small Cell
<b>Band</b>	Multiband
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Reflector Material</b>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

## Dimensions

<b>Width</b>	498 mm   19.606 in
<b>Depth</b>	197 mm   7.756 in
<b>Length</b>	610 mm   24.016 in
<b>Net Weight, antenna only</b>	14 kg   30.865 lb

## Array Layout

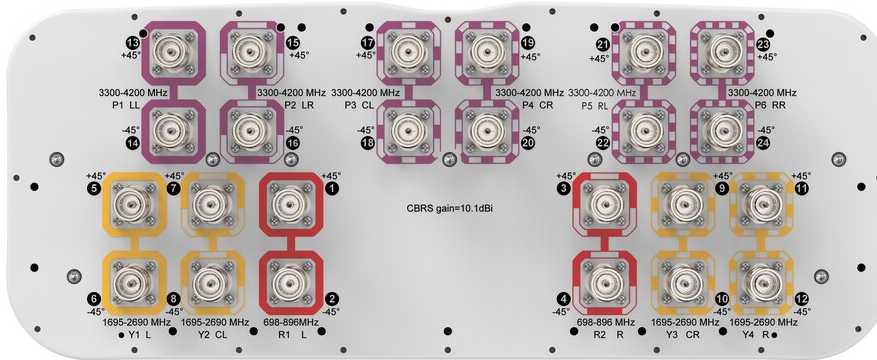
# NNV4S6-65S-F4



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

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2690 MHz   3300 – 4200 MHz   698 – 896 MHz
<b>Polarization</b>	±45°

# NNV4S6-65S-F4

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

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>698–806</b>	<b>824–896</b>	<b>1695–1920</b>	<b>1920–2180</b>	<b>2300–2690</b>	<b>3300–3550</b>	<b>3550–3700</b>	<b>3700–4200</b>
<b>Gain, dBi</b>	9.8	10	12.8	13.5	14.2	10.5	10.4	10.7
<b>Beamwidth, Horizontal, degrees</b>	82	78	70	65	58	57	63	64
<b>Beamwidth, Vertical, degrees</b>	41	38.1	18.8	17.4	14	33.8	33.3	30.9
<b>Beam Tilt, degrees</b>	4	4	4	4	4	0	0	0
<b>Front-to-Back Ratio at 180°, dB</b>	21	21	23	28	28	25	21	21
<b>Isolation, Cross Polarization, dB</b>	25	25	25	25	25	25	25	25
<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	1.5 14.0	1.5 14.0	1.5 14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	-153	-153	-145	-145	-145
<b>Input Power per Port at 50°C, maximum, watts</b>	100	100	100	100	100	50	50	50

## Electrical Specifications, BASTA

<b>Frequency Band, MHz</b>	<b>698–806</b>	<b>824–896</b>	<b>1695–1920</b>	<b>1920–2180</b>	<b>2300–2690</b>	<b>3300–3550</b>	<b>3550–3700</b>	<b>3700–4200</b>
<b>Gain by all Beam Tilts, average, dBi</b>	9.5	9.8	12.1	12.9	13.7	10.1	10.1	10.1
<b>Gain by all Beam Tilts Tolerance, dB</b>	±0.5	±0.3	±0.9	±0.9	±0.8	±0.5	±0.5	±0.7
<b>Beamwidth, Vertical Tolerance, degrees</b>	±7.5	±3.3	±2.9	±1.6	±1	±7	±7.9	±8.1
<b>CPR at Boresight, dB</b>	16	16	12	15	19	12	11	12

## Mechanical Specifications

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

## Packaging and Weights

**Width, packed** 608 mm | 23.937 in

# NNV4S6-65S-F4

---

<b>Depth, packed</b>	352 mm   13.858 in
<b>Length, packed</b>	782 mm   30.787 in
<b>Weight, gross</b>	24 kg   52.911 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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-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

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
-------------------------	---