

V6S6P3-360S-F4



30-port small cell antenna, 12x 1695–2690, 12x 3400–3800 and 6x 5150–5925 MHz. 360° Horizontal Beamwidth, fixed tilt.

- Multi-operator small cell antenna for up to three operators with one antenna
- Connectors grouped by operator
- Great performance in small package

This product will be discontinued on: November 30, 2023

General Specifications

Antenna Type	Small Cell
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	ASA, UV stabilized
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	30
RF Connector Quantity, total	30

Dimensions

Length	610 mm 24.016 in
Net Weight, without mounting kit	19.3 kg 42.549 lb
Outer Diameter	370 mm 14.567 in

5 GHz Port Power Table

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5 GHz FCC Power Requirements				
U-NII Band	U-NII 1	U-NII 2A	U-NII 2C	U-NII 3
Frequency (MHz)	5150 - 5250	5250 - 5350	5470 - 5725	5725 - 5850
Max Input power per port to align with FCC Title 47 Part 15 (Watts)	0.5	0.125	0.125	0.5

Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz 3400 – 3800 MHz 5150 – 5925 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	1695–1920	1920–2180	2300–2690	3400–3800	5150–5925
Gain, dBi	7	7.3	7.8	6.1	4
Beamwidth, Horizontal, degrees	360	360	360	360	360
Beamwidth, Vertical, degrees	22.4	20.2	15.3	32.6	25.2
Beam Tilt, degrees	4	4	4	0	0

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Isolation, Cross Polarization, dB	25	25	25	25	25
Isolation, Inter-band, dB	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
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-140	
Input Power per Port at 50°C, maximum, watts	75	75	75	35	5

Electrical Specifications, BASTA

Frequency Band, MHz	1695–1920	1920–2180	2300–2690	3400–3800	5150–5925
Gain by all Beam Tilts, average, dBi	6.1	6.6	7.3	5.7	3.2
Gain by all Beam Tilts Tolerance, dB	±0.9	±0.8	±0.7	±0.6	±1
Beamwidth, Vertical Tolerance, degrees	±3.4	±3.9	±2	±5.3	±3.5

Mechanical Specifications

Effective Projective Area (EPA), frontal	0.12 m ² 1.292 ft ²
Wind Loading @ Velocity, maximum	129.0 N @ 150 km/h (29.0 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h 149.75 mph

Packaging and Weights

Width, packed	478 mm 18.819 in
Depth, packed	464 mm 18.268 in
Length, packed	894 mm 35.197 in
Weight, gross	24.3 kg 53.572 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above 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
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



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* Footnotes

Performance Note

Severe environmental conditions may degrade optimum performance