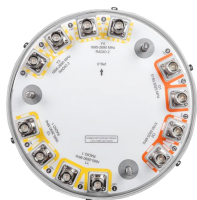


V4PP-360S-F



12-port small cell antenna, 8x 1695–2690 and 4x 5150–5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

This product will be discontinued on: March 27, 2020

Replaced By

V4SSPP-360S-F 16-port small cell antenna, 8x 1695–2690, 4x 3300-3800 and 4x 5150-5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

Electrical Specifications

| Frequency Band, MHz | 1695–1920 | 1920–2180 | 2300–2690 | 5150–5925 |
|--|------------|------------|------------|------------|
| Gain, dBi | 7.2 | 7.3 | 8.4 | 4.6 |
| Beamwidth, Horizontal, degrees | 360 | 360 | 360 | 360 |
| Beamwidth, Vertical, degrees | 21.6 | 18.7 | 15.0 | 25.1 |
| Beam Tilt, degrees | 7 | 7 | 7 | 0 |
| USLS (First Lobe), dB | 13 | 12 | 13 | 5 |
| Isolation, Cross Polarization, dB | 25 | 25 | 25 | 25 |
| Isolation, Inter-band, dB | 25 | 25 | 25 | 25 |
| VSWR Return Loss, dB | 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 | -150 | |
| Input Power per Port at 50°C, maximum, watts | 75 | 75 | 75 | |
| Polarization | ±45° | ±45° | ±45° | ±45° |
| Impedance | 50 ohm | 50 ohm | 50 ohm | 50 ohm |

Electrical Specifications, BASTA*

| Frequency Band, MHz | 1695–1920 | 1920–2180 | 2300–2690 | 5150–5925 |
|--|-----------|-----------|-----------|-----------|
| Gain by all Beam Tilts, average, dBi | 6.7 | 7.0 | 8.0 | 4.0 |
| Gain by all Beam Tilts Tolerance, dB | ±0.8 | ±0.3 | ±0.9 | ±0.8 |
| Beamwidth, Vertical Tolerance, degrees | ±2.1 | ±1.8 | ±1.4 | ±5 |
| CPR at Boresight, dB | 14 | 18 | 19 | 13 |

* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs.](#)

5 GHz Port Power Table

| 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 |

General Specifications

| | |
|---------------------------------|-----------------------------------|
| Operating Frequency Band | 1695 – 2690 MHz 5150 – 5925 MHz |
| Antenna Type | Small Cell |
| Band | Multiband |
| Performance Note | Outdoor usage |

Mechanical Specifications

| | |
|---|--|
| RF Connector Quantity, total | 12 |
| RF Connector Quantity, high band | 12 |
| RF Connector Interface | 4.3-10 Female |
| Grounding Type | RF connector inner conductor and body grounded to reflector and mounting bracket |
| Radiator Material | Low loss circuit board |
| Radome Material | ASA, UV stabilized |
| Reflector Material | Aluminum |
| RF Connector Location | Bottom |
| Wind Loading, frontal | 103.0 N @ 150 km/h 23.2 lbf @ 150 km/h |
| Wind Loading, maximum | 103.0 N @ 150 km/h 23.2 lbf @ 150 km/h |
| Wind Speed, maximum | 241 km/h 150 mph |

Dimensions

| | |
|---------------|--------------------|
| Length | 620.0 mm 24.4 in |
|---------------|--------------------|

V4PP-360S-F

Outer Diameter 305.0 mm | 12.0 in
Net Weight, without mounting kit 13.1 kg | 28.9 lb

Packed Dimensions

Length 888.0 mm | 35.0 in
Width 418.0 mm | 16.5 in
Depth 404.0 mm | 15.9 in
Shipping Weight 17.2 kg | 37.9 lb

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU
ISO 9001:2015
China RoHS SJ/T 11364-2014

Classification

Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)



* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance