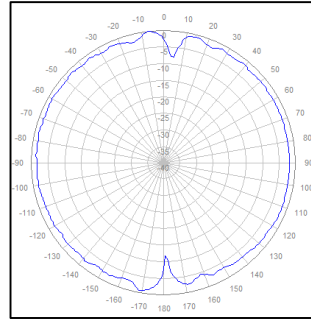


# CV04OMI136-01

NWAV™ V-Pol OMNI Antenna | Quad-Port | 9" | 360°

## V-Pol, Quad-Port 9" [229 mm] 360° OMNI Antenna (2) 1695–1880/1920–2180 MHz & (2) 2490–2690MHz

- Ideal small cell, metro-deployment antenna
- Compact size for minimal visual impact
- MIMO capable in both bands
- Suitable for LTE/UMTS/GSM technologies
- Optimized width for reduced wind loading



Electrical specification (minimum/maximum)	Ports 1 & 3		Ports 2 & 4
	Frequency bands, MHz	1695–1880	1920–2180
Polarization	V		V
Average gain over all tilts, dBi	4.5	4.5	4.5
Horizontal beamwidth (HBW), degrees <sup>1</sup>	360		360
Vertical beamwidth (VBW), degrees <sup>1</sup>	36	34	34
Electrical downtilt (FET) range, degrees	0		0
Minimum intraband isolation, port-to-port, dB	15	15	15
Minimum interband isolation, port-to-port, dB	11	11	11
Maximum VSWR/return loss, dB	1.7/ -12.7		1.7/ -12.7
Maximum passive intermodulation (PIM), 2x5 W carrier, dBc	-158		
Maximum input power per any port, watts	5		5

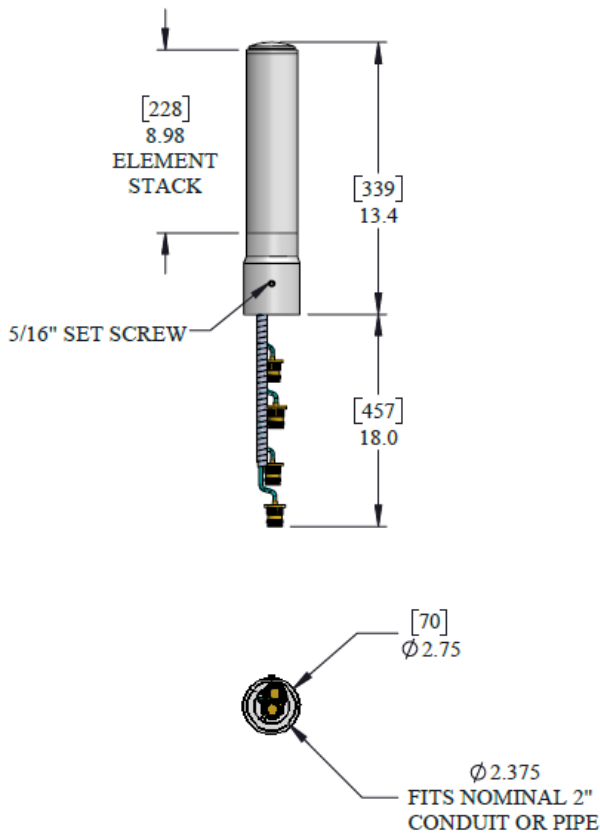


<sup>1</sup> Typical value over frequency and tilt

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Mechanical specifications	
Dimensions height/diameter, inches (mm) [incl. mounting]	9 [13.4]/ 2.75 (228[339]/70)
Color	RAL 7035 (grey)
No. of RF input ports, connector type and location	4 x 4.3-10 female, with pigtails
RF connector torque	96 lbf-in (10.85 N m or 8 lbf-ft)
Net antenna weight, lb (kg)	1.77 (0.8)
Rated wind survival speed, mph (km/h)	150 (241)



Array topology	
2 sets of radiating arrays	
B1 – 1695–1880/1920–2180 MHz	
Y1 – 2490–2690 MHz	
Band	RF Port
1695-1880/1920-2180	1 & 3
2490-2690	2 & 4

Diagram of the antenna's array topology showing two sets of radiating arrays, B1 and Y1, with their respective frequency bands.

- B1: 1695–1880/1920–2180 MHz
- Y1: 2490–2690 MHz

Ordering information	
Antenna model	Description
CV04OMI136-01	9 in V-Pol 4 Port OMNI 360, 4.3-10