



IV01OMI136-T4

NWAV™ V-Pol Transparent Wide Band OMNI | SISO Antenna

SISO 360° Ultra thin transparent wide band OMNI antenna, 1 port 617-5925 MHz

- Unique transparent material allows the antenna to blend in with surroundings
- SISO iDAS and Small Cell ceiling mount antenna
- Wide band OMNI performance covering 617-6000 MHz
- PIM certified
- Excellent Return Loss performance



Electrical specification

Frequency bands, MHz	617-649	650-697	698-806	824-894	894-960	1695-1890	1890-1910	1910-2200	2200-2500	2500-2690	3300-3549	3550-4200	5150-5925
Polarization, degrees	Horizontal												
Impedance, ohms	50												
Horizontal beamwidth	Omni (360°)												
Gain, dBi, typical	3.0				3.8			4.3		4.0		4.6	
VSWR / return loss, dB, max	1.6:1 / -12.7	1.4:1 / -15.6	1.4:1 / -15.6	1.4:1 / -15.6	1.55:1 / -13.3	1.8:1 / -10.8	1.65:1 / -12.2	1.8:1 / -10.8	1.8:1 / -10.8	1.7:1 / -11.7	1.4:1 / -15.6	1.4:1 / -15.6	1.75:1 / -11.3
PIM @ 2x43 dBm	-153				-153					N/A			
Maximum input power port, W	20												

Mechanical specifications

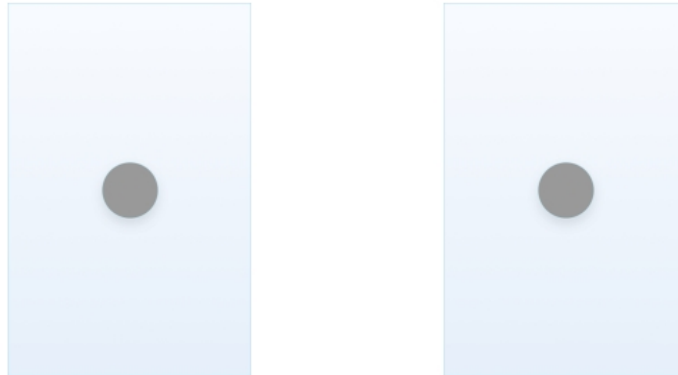
Dimensions height/width/depth, in. (mm)	8.25/ 5.0/ 0.062 (209.6/ 127/ 1.58)
No. of RF input ports, connector type	1 x 4.3-10 female
Connector torque	44.25 lbf-in (5 N·m or 3.7 lbf-ft)
Antenna weight, lb (kg), net	0.25 (0.113)
Mounting	Ceiling or surface mount
Application	Indoor / Outdoor (IP65)
Operating temperature	-40 °F to +140 °F (-40 °C to +60 °C)
Pigtails	12" Plenum rated

Order information

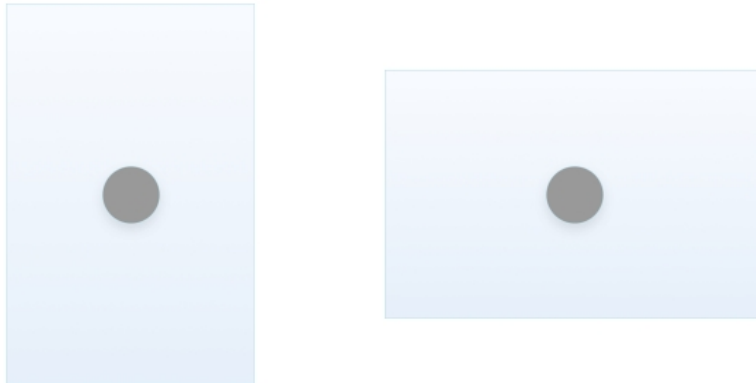
MODEL	DESCRIPTION
IV01OMI136-T4	Transparent wide band SISO OMNI with 4.3-10.0 pigtails

Typical MIMO Configurations

Example 1: Side-by-side V-V Pol, Recommended orientation & horizontal separation of 4.3" or greater for optimal isolation



Example 2: Side-by-side V-H Pol, Recommended orientation for enhanced MIMO performance with horizontal separation of 0.8" or greater for optimal isolation



Example 3: Side-by-side Slant Pol, Recommended orientation for enhanced MIMO performance with horizontal separation of 0.0" or greater for optimal isolation

