



# IV01OMI136-U4

NWAV™ Ultra Thin Wide Band OMNI | SISO Antenna

## 360° High Performance OMNI antenna, 1 port 617-5925 MHz

- Outstanding pattern performance
- Ultra thin antenna for aesthetic considerations
- SISO iDAS and Small Cell ceiling mount antenna
- Wide band OMNI covering 617-5925 MHz
- PIM certified @ 2x20 watts
- Excellent Return Loss performance
- Thru-mount for normal tile applications



### Electrical specification

Frequency bands, MHz	617-649	650-697	698-806	824-894	894-960	1695-1890	1890-1910	1910-2180	2300-2500	2500-2690	3400-3549	3700-4000	3550-4200	5150-5925	
Polarization, degrees	Horizontal														
Impedance, ohms	50														
Horizontal beamwidth	Omni (360°)														
Gain, dBi, max	4.1				4.0				5.0		4.3			5.4	
Gain, dBi, average	3.0				3.6				4.7		4.0			4.6	
Aver. VSWR / return loss, dB, max	1.3:1/ -18.0	1.2:1/ -20.8	1.2:1/ -20.8	1.3:1/ -18.0	1.4:1/ -15.6	1.4:1/ -15.6	1.45:1/ -14.7	1.4:1/ -15.6	1.2:1/ -20.8	1.2:1/ -20.8	1.5:1/ -14.0	1.3:1/ -18.0	1.3:1/ -18.0	1.2:1/ -20.8	
Max VSWR / return loss, dB	1.5:1/ -14.0	1.4:1/ -15.6	1.4:1/ -15.6	1.5:1/ -14.0	1.55:1/ -13.3	1.55:1/ -13.3	1.5:1/ -14.0	1.55:1/ -13.3	1.4:1/ -15.6	1.4:1/ -15.6	1.7:1/ -11.7	1.5:1/ -14.0	1.65:1/ -12.2	1.6:1/ -12.7	
PIM @ 2x43 dBm	-153				-153				N/A						
Maximum input power port, W	20														

### Mechanical specifications

Dimensions diameter / height / height with ceiling mount, in. (mm)	8.4/ 0.4/ 2.0 (213.4/ 10.2/ 51.6)
Shipping dimensions, in. (mm)	9.0/ 9.0/ 5.0 (229/ 229/ 127)
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	0.7 (0.32)
Shipping weight, lb (kg)	1.18 (0.5)
Mounting	Ceiling or surface mount



# IV01OMI136-U4

NWAV™ Ultra Thin Wide Band OMNI | SISO Antenna

Mechanical specifications	
Application	Indoor / Outdoor (IP65)
Operating temperature	-40 °F to +140 °F (-40 °C to +60 °C)
Pigtails	12 in. Plenum rated

  

Order information	
MODEL	DESCRIPTION
IV01OMI136-U4	Ultra thin OMNI-SISO with 4.3-10.0 pigtails

For installation instructions, see [IV0XOMI136 Antenna Installation Guide 81900516](#).