PRODUCT DATASHEET

I-ATO5-698/4000M

Indoor Omnidirectional MIMO Antenna 698-4000 MHz

The omnidirectional antenna I-ATO5-698/4000 is designed for broadband in-building DAS applications supporting all kind of safety as well as 4G and 5G commercial wireless communication networks. The antenna combines an aesthetical design with superior electrical characteristics notably a PIM optimized design to minimize network interferences. The antenna is constructed from lightweight materials ideal for easy ceiling mounting. The low profile and off-white radome blends easily into most building aesthetics with minimum visual impact.



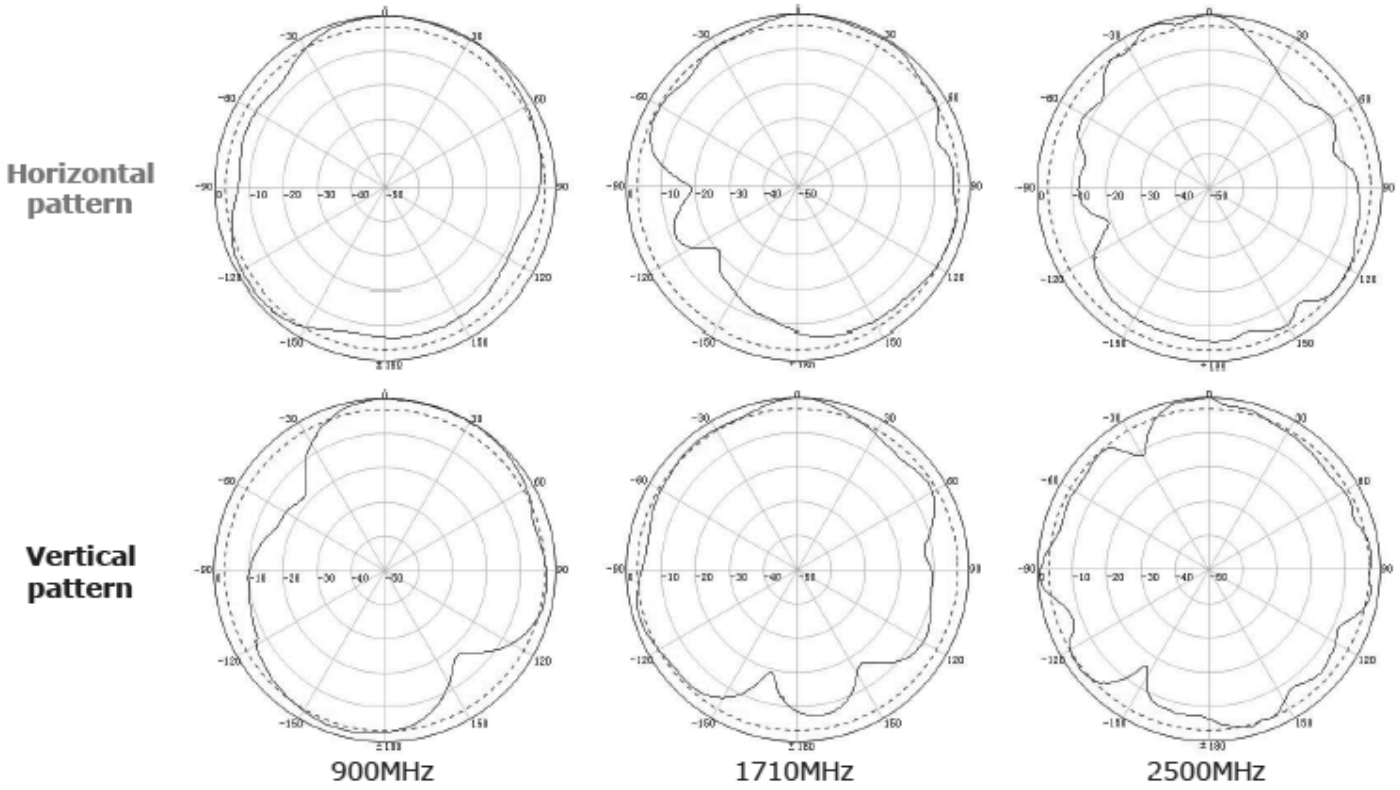
FEATURES / BENEFITS

- **Wideband omnidirectional antenna supporting all wireless services in the frequency bands 698-960 / 1710-2700 / 3400-4000MHz**
- **Typically used in indoor distribution of 2G / 3G / 4G / 5G wireless services in all standardized frequency bands**
- **PIM optimized antenna design (150dBc @2x20W)**
- **Aesthetical visual appearance, compact and light weight**
- **Low loss pigtail with N-female connector**
- **Ideal for 4G LTE multi-band MIMO applications**

Technical features

GENERAL SPECIFICATIONS				
Product Type		Omnidirectional Antenna		
Techn. Application		Indoor		
MECHANICAL SPECIFICATIONS				
Number of Input Ports		2		
Connectors		N female		
Height (Less Connectors)	mm (in)	40 (1.57)		
Diameter (Less Connectors)	mm (in)	218 (8.58)		
Weight	kg (lb)	0.5 (1.1)		
ELECTRICAL SPECIFICATIONS				
Frequenz	MHz	698-960	1710-2700	3400-4000
Gain, typ.	dBi	3.5	4.5	5.0
VSWR		2.0	2.0	2.0
Beamwidth, Vertical, typ.	°	90	45	35
Impedance, Ohm	Ω	50		
Polarization		Linear x2		
Intermodulation (IM3)		-150 dBc		
Total Input Power max.	W	50		
MATERIAL				
Radome Material		ABS		
Radome Color		White (RAL 9003)		
TEMPERATURE SPECIFICATIONS				
Operation Temperature	°C (°F)	-40 to 55 (-40 to 131)		
TESTING AND ENVIRONMENTAL				
Environmental Class		Indoor		

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering



External Document Links

Notes

Ceiling mounting via hole (standard)
Typical isolation between polarizations: >17dB (698-960MHz), >20dB (1710-2700MHz, 3400-4000MHz)

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