

PRODUCT DATASHEET I-ATO5-698/4000

Indoor Omnidirectional 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 omni antenna, supporting all wireless services in the frequency bands 698-960/ 1350-1710MHz / 1710-2700MHz/3400-4000MHz
- Typically used in indoor distribution of 2G / 3G / 4G / 5G wireless services in all standardized frequency bands
- PIM optimized antenna design (-153dBc @2x20W)
- Aesthetical visual appearance, compact and light weight
- Low return loss, stable performance
- Pigtail with N female connector
- Ceiling mounting

Technical features



I-ATO5-698/4000

GENERAL SPECIFICATIONS		
Product Type		Omnidirectional Antenna
Techn. Application		Indoor
MECHANICAL SPECIFICATIONS		
Number of Input Ports		1
Connectors		N female
Connector Cable	mm (in)	300 (11.81)
Mounting Hardware included		mountig clamp
Height (Less Connectors)	mm (in)	18 (0.709)
Diameter (Less Connectors)	mm (in)	220 (8.66)
Weight	kg (lb)	0.3 (0.66)

ELECTRICAL SPECIFICATIONS

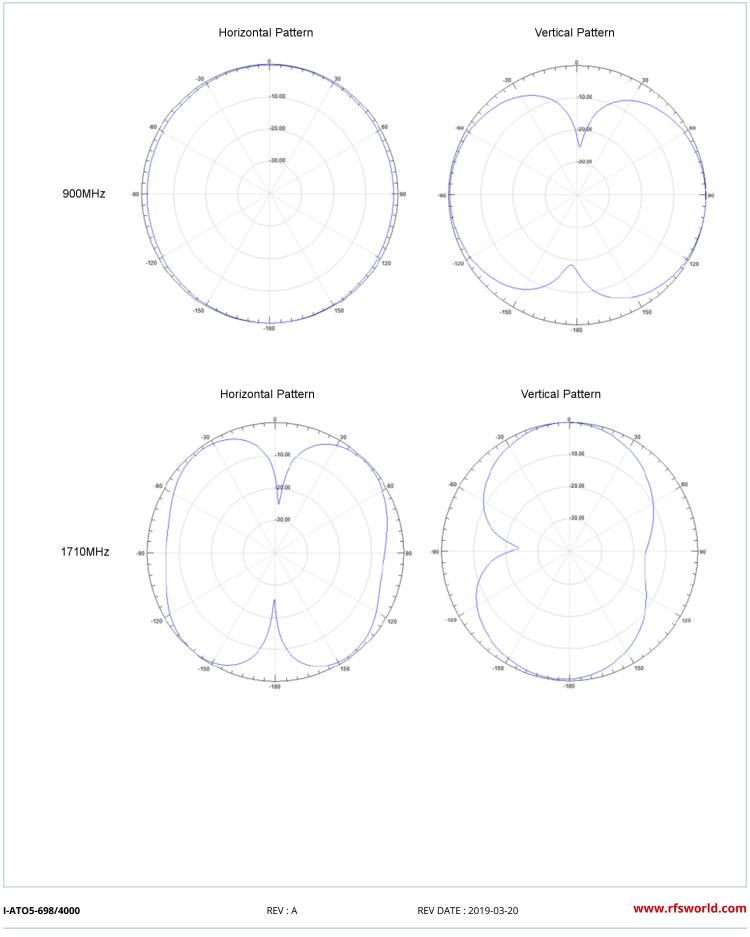
Frequenz	MHz	698- 806	806- 960	1350 - 1710	1710 - 2700	3400 - 4000			
Gain, typ	dBi	2.2	3.5	4.0	4.5	6.0			
VSWR		1.5	1.5	1.8	1.5	1.5			
Impedance, Ohm	Ω	50							
Polarization		Horizontal							
Intermodulation (IM3)		-153 dBc							
Total Input Power max.	W	50							
MATERIAL									
Radome Material		ABS							
Radome Color		White (RAL 9003)							
TEMPERATURE SPECIFICATIONS									
Operation Temperature	°C (°F)	-40 to 55 (-40 to 131)							

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REV DATE : 2019-03-20

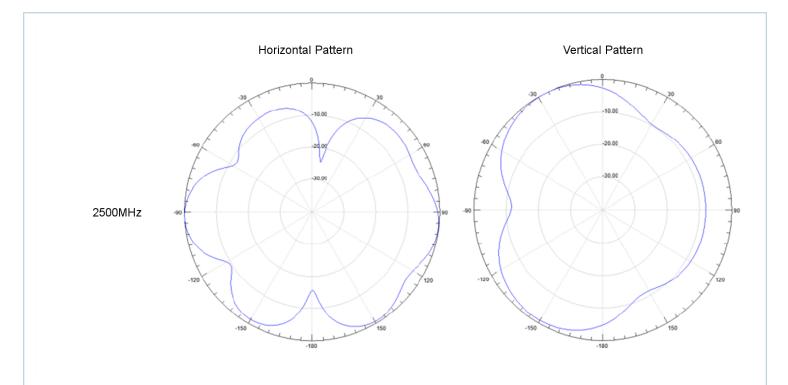
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All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering





External Document Links

Notes

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