PRODUCT DATASHEET

I-ATO5-698/2700-02

Indoor Omnidirectional Antenna 698-2700 MHz

This omnidirectional antenna is designed for broadband in-building distribution of modern wireless communication systems as LTE, GSM, CDMA, 3G and WiFi / WLAN services. The antenna ensures highest performance for in-building passive DAS applications avoiding passive intermodulation products due to the PIM optimized design.
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.



I-ATO5-698/2700-02

FEATURES / BENEFITS

- **Wideband omni antenna, supporting all wireless services in the frequency bands 698-960/1710-2700MHz**
- **Typically used in indoor distribution of LTE servives**
- **PIM optimized antenna design (-150dBc @2x20W)**
- **Aesthetical visual appearance, compact and light weight**
- **Low loss, stable performance**
- **Pigtail with N female connector**
- **Ceiling mounting**

Technical features

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)	
Height (Less Connectors)	mm (in)	40 (1.57)	
Diameter (Less Connectors)	mm (in)	218 (8.58)	
Weight	kg (lb)	0.41 (0.9)	

ELECTRICAL SPECIFICATIONS

Frequenz	MHz	698-960	1710-2700
Gain, typ.	dBi	2.5-4.5	4.0-6.5
VSWR		2.0	2.0
Beamwidth, Vertical, typ.	°	60-90	30-65
Impedance, Ohm	Ω	50	
Polarization		Linear	
Intermodulation (IM3)		-150 dBc	
Total Input Power max.	W	50	

MATERIAL

Radome Material		ABS
Radome Color		White (RAL 9003)

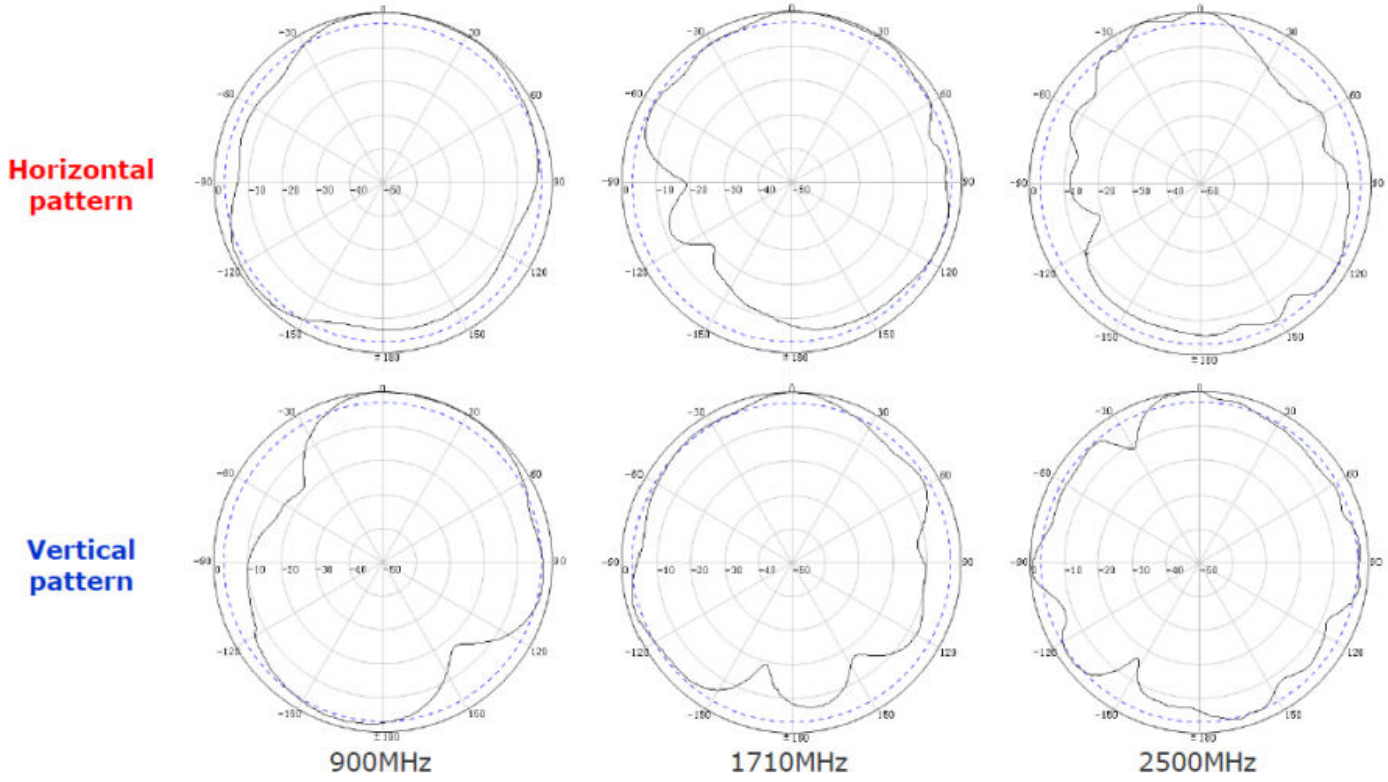
TEMPERATURE SPECIFICATIONS

Operation Temperature	°C (°F)	-55 to 60 (-67 to 140)

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

TESTING AND ENVIRONMENTAL

Environmental Class		Indoor



External Document Links

Notes

Ceiling mounting via hole (standard)

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