PRODUCT DATASHEET

I-ATP5-698/3800

Indoor Panel Antenna 698-3800MHz

The panel antenna I-ATP5-43-698/3800 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.



I-ATP5-698/3800

FEATURES / BENEFITS

- Wideband omni antenna, supporting all wireless services in the frequency bands 698-960/1427-2700MHz/3400-3800MHz
- 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

GENERAL SPECIFICATIONS

Product Type		Panel Antenna
Techn. Application		Indoor

MECHANICAL SPECIFICATIONS

Number of Input Ports		1
Connectors		N female
Connector Cable	mm (in)	300 (11.8)
Mounting Hardware included		Wall bracket, screws
Height (Less Connectors)	mm (in)	180 (7.09)
Width (Less Connectors)	mm (in)	170 (6.7)
Length (Less Connectors)	mm (in)	60 (2.36)
Weight	kg (lb)	0.4 (0.88)

ELECTRICAL SPECIFICATIONS

Frequency	MHz	698 - 806	806 - 960	1427 - 1710	1710-2700	3400-4000
Gain, typ.	dBi	5.0 ± 1.0	6.0 ± 1.0	7.0 ± 1.0	7.0 ± 1.0	5.5 ± 0.5
max. VSWR		1.8	1.8	1.8	1.8	1.8
Beam width, Vertical, typ.	°	73	70	60	60	30
Beam width, Horizontal, typ.	°	80	80	65	60	55
Front-To-Back-Ratio	dB	5	8	10	12	10
Impedance, Ohm	Ω	50				
Polarization		Vertical				
Intermodulation (IM3)		-153dBc (2 x 43dBm)				
Total Input Power max.	W	50				

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

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MATERIAL

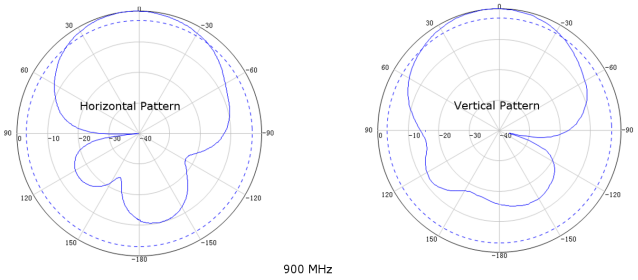
Radome Material		ABS
Radome Color		White (RAL9003)

TEMPERATURE SPECIFICATIONS

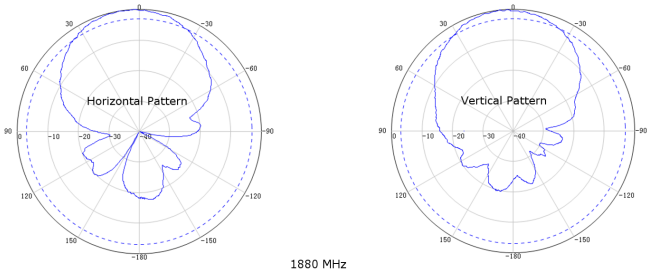
Operation Temperature	°C (°F)	-40 to 55 (-40 to 131)

TESTING AND ENVIRONMENTAL

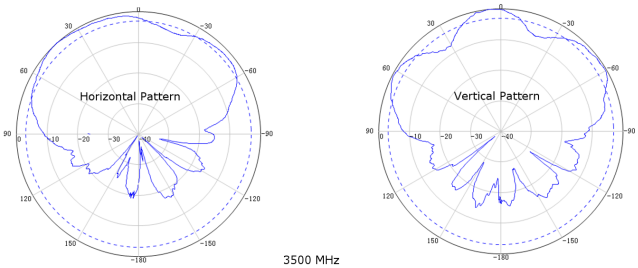
Environmental Class		Indoor



900 MHz



1880 MHz



3500 MHz

External Document Links

Notes

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