

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.

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

Product Type

Techn. Application



Technical features

GEN	ERAL	SPECI	FICAT	ONS

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)		
FLECTRICAL SPECIFICATIONS				

Panel Antenna

Indoor

ELECTRICAL SPECIFICATIONS

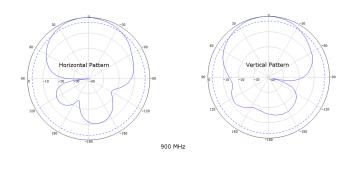
Frequency	MHz	698 - 806	806 - 960	1427 - 1710	1710-2700	3400-4000	
Gain, typ.	dBi	5.0 ± 1.0	6.0 ± 1.0	7.0 ± 1.0	7.0 ± 1.0	5.5 ± 0.5	
max. VSWR		1.8	1.8	1.8	1.8	1.8	
Beam width, Vertical, typ.	0	73	70	60	60	30	
Beam width, Horizontal, typ.	o	80	80	65	60	55	
Front-To-Back-Ratio	dB	5	8	10	12	10	
Impedance, Ohm	Ω	50					
Polarization		Vertical					
Intermodulation (IM3)		-153dBc (2 x 43dBm)					
Total Input Power max.	W	50					

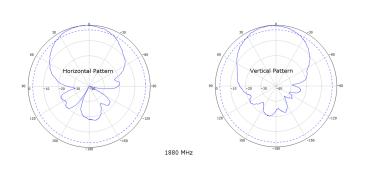
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MATERIAL Radome Material ABS Radome Color White (RAL9003) TEMPERATURE SPECIFICATIONS Operation Temperature °C (°F) -40 to 55 (-40 to 131) TESTING AND ENVIRONMENTAL Environmental Class Indoor







External Document Links

Notes

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