

PRODUCT DATASHEET I-ATB5-43-698/2700-01 Bi-directional Antenna 698-2700MHz

The bi-directional antenna I-ATP5-43-698/2700-01 is designed for broadband indoor DAS applications supporting all kind of safety as well as 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 antenna, supporting all wireless services in the frequency bands 698-960/1710-2700MHz
- Typically used in indoor distribution of 2G/3G/4G wireless services in all standardized frequency bands
- PIM optimized antenna design (-150dBc @2x20W)
- Aesthetical visual appearance, compact and light weight
- Low return loss, stable performance
- 4.3-10 female connector
- Wall mounting

Technical features

GENERAL SPECIFICATIONS

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Product Type		Bi-directional Panel Antenna				
Techn. Application		Indoor				
MECHANICAL SPECIFICATIONS						
Number of Input Ports		1				
Connectors		4.3-10 female				
leight (Less Connectors)	mm (in)	400 (15.7)				
Diameter (Less Connectors)	mm (in)	4.3 ()				
Width (Less Connectors)	mm (in)	100 (3.9)				
Length (Less Connectors)	mm (in)	200 (7.9)				
Weight	kg (lb)	2.3 (5.1)				
ELECTRICAL SPECIFICATIONS						
requency	MHz	698 - 806	806 - 960	1710 - 2170	2170 - 2700	
iain, typ.	dBi	4.0 ± 1.0	4.5 ± 1.0	5.5 ± 1.0	6.0 ± 1.0	
nax. VSWR		2.0	2.0	2.0	2.0	
Beam width, Vertical, typ.	o	75	73	60	50	
Beam width, Horizontal, typ.	o	85 ± 20	85 ± 20	62 ± 15	60 ± 20	
mpedance, Ohm	Ω	50				
Polarization		Vertical				
ntermodulation (IM3)		-150dBc (2 x 43dBm)				
Total Input Power max.	W	50				
MATERIAL						
Radome Material		Fiberglass				
Radome Color		White (RAL9003)				

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