



The wideband directional logarithmic-periodic antenna I-ATD5-43-698/4000 is designed for broadband 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 698-960/1710-2700 / 3400-4000MHz
- 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
- Pigtail with 4.3-10 female connector



I-ATD5-43-698/4000

**Technical features**

**GENERAL SPECIFICATIONS**

<b>Product Type</b>		Log-Per Directional Antenna
<b>Techn. Application</b>		Indoor / Outdoor

**MECHANICAL SPECIFICATIONS**

<b>Number of Input Ports</b>		1
<b>Connectors</b>		4.3-10 female
<b>Connector Cable</b>	mm (in)	300 (11.8)
<b>Height (Less Connectors)</b>	mm (in)	65 (2.6)
<b>Diameter (Less Connectors)</b>	mm (in)	4.3 ( )
<b>Width (Less Connectors)</b>	mm (in)	210 (8.27)
<b>Length (Less Connectors)</b>	mm (in)	440 (17.3)
<b>Weight</b>	kg (lb)	0.6 (1.3)

**ELECTRICAL SPECIFICATIONS**

<b>Frequency</b>	MHz	698 - 960	1710 - 2700	3400 - 4000
<b>Gain, typ.</b>	dBi	9.5 ± 1.0	10.5 ± 1.0	11.0 ± 1.0
<b>max. VSWR</b>	1.8	1.8		1.8
<b>Beam width, Vertical, typ.</b>	°	60 ± 15	55 ± 15	55 ± 15
<b>Beam width, Horizontal, typ.</b>	°	85 ± 20	65 ± 15	60 ± 15
<b>Front-To-Back Ratio</b>	dB	10	18	18
<b>Impedance, Ohm</b>	Ω	50		
<b>Polarization</b>		Vertical		
<b>Intermodulation (IM3)</b>		-150dBc (2 x 43dBm)		
<b>Total Input Power max.</b>	W	50		

**MATERIAL**

<b>Radome Material</b>		ABS
<b>Radome Color</b>		White

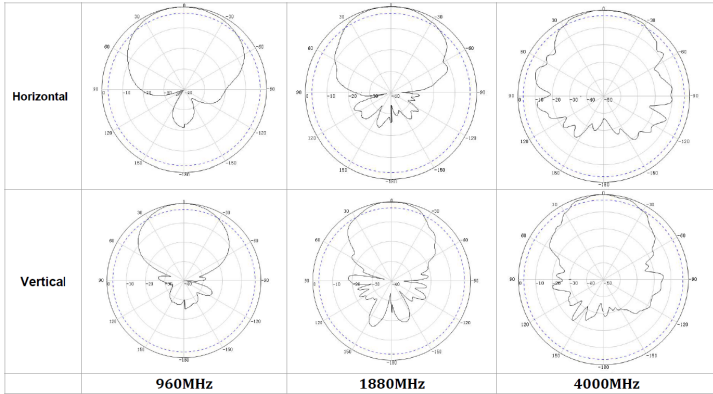
**TEMPERATURE SPECIFICATIONS**

<b>Operation Temperature</b>	°C (°F)	-40 to 55 (-40 to 131 )
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**TESTING AND ENVIRONMENTAL**

<b>Environmental Class</b>		Indoor / Outdoor
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External Document Links

Notes