PRODUCT DATASHEET

I-ATO5-43-617/6000M

Indoor Omnidirectional MIMO Antenna 617-6000 MHz with 4.3-10 connectors

The omnidirectional antenna I-ATO5-617/6000 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 omnidirectional antenna supporting all wireless services in the frequency bands 617-806 / 806-960 / 1350-1550 / 1690-2700 / 3300-3800 / 4900-6000 MHz**
- **Typically used in indoor distribution of 2G / 3G / 4G / 5G wireless services in all standardized frequency bands**
- **PIM optimized antenna design (-150dBc @2x20W)**
- **Aesthetical visual appearance, compact and light weight**
- **Low loss pigtails with 4.3-10 connectors**
- **Ideal for 4G LTE and 5G multi-band MIMO applications**

Technical features

GENERAL SPECIFICATIONS

Product Type		Omnidirectional Antenna
Techn. Application		Indoor

MECHANICAL SPECIFICATIONS

Number of Input Ports		2
Connectors		4.3-10
Mounting Hardware included		Ceiling (Standard)
Height (Less Connectors)	mm (in)	18 (0.71)
Diameter (Less Connectors)	mm (in)	218 (10.5)
Width (Less Connectors)	mm (in)	4.3 ()
Weight	kg (lb)	0.5 (1.1)

ELECTRICAL SPECIFICATIONS

Frequenz	MHz	617-806	806-960	1350-1550	1690-2700	3300-3800	4900-6000
Gain, typ.	dBi	1.5	2.2	3.5	4.5	6.0	6.0
VSWR	max	1.8	1.5	2.0	1.8	1.8	1.8
Isolation	dB	>=18	>=18	>=13	>=15	>=25	>=25
Impedance, Ohm	Ω	50					
Polarization		Linear x2					
Intermodulation (IM3)		150 dBc (2x43dBm)					
Total Input Power max.	W	50					

MATERIAL

Radome Material		ABS
Radome Color		White (RAL 9003)

TEMPERATURE SPECIFICATIONS

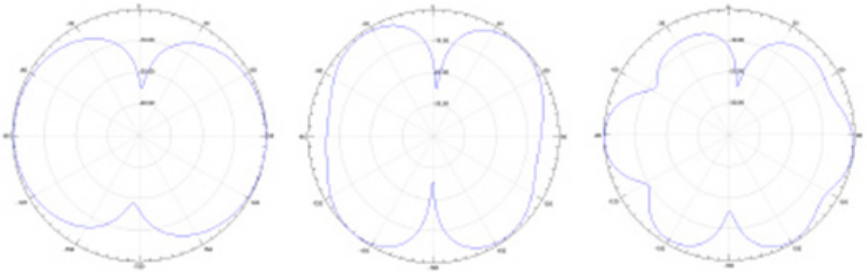
Operation Temperature	°C (°F)	-55 to 60 (-67 to 140)

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

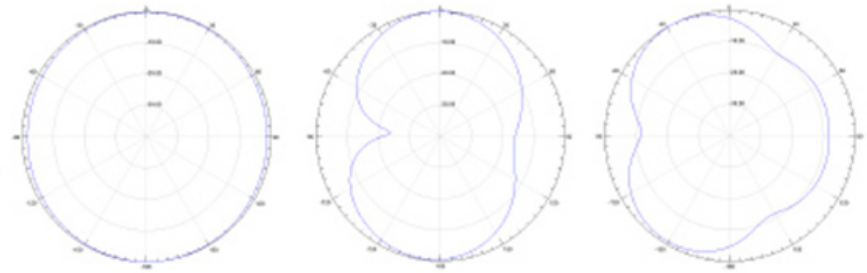
TESTING AND ENVIRONMENTAL

Environmental Class		Indoor

Horizontal pattern



Vertical pattern



External Document Links
Link to VEX Zip file

Notes

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