PRODUCT DATASHEET

# I-ATP5-43-698/3800

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-ATP5-43-698/3800

FEATURES / BENEFITS

- Wideband omni antenna, supporting all wireless services in the frequency bands 698-960/1427-2700MHz/3400-4000MHz
- 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 4.3-10 female connector
- Ceiling mounting

## Technical features

### GENERAL SPECIFICATIONS

| | | |
|---|---|---|
| **Product Type** | | Panel Antenna |
| **Techn. Application** | | Indoor |

### MECHANICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Number of Input Ports** | | 1 |
| **Connectors** | | 4.3-10 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 | 1710-2170 | 2200-2700 | 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 |
| **VSWR** | max | 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 | 15 | 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

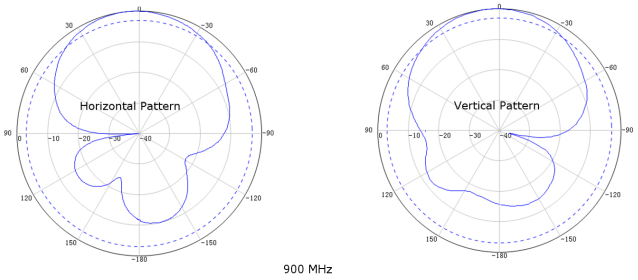
| | | |
|---|---|---|
| **Radome Material** | | ABS |
| **Radome Color** | | White (RAL9003) |

## TEMPERATURE SPECIFICATIONS

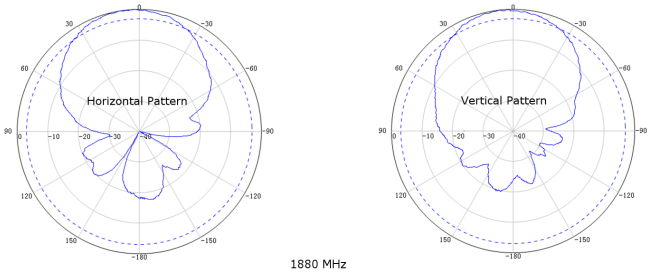
| | | |
|---|---|---|
| **Operation Temperature** | °C (°F) | -40 to 55 (-40 to 131 ) |

## TESTING AND ENVIRONMENTAL

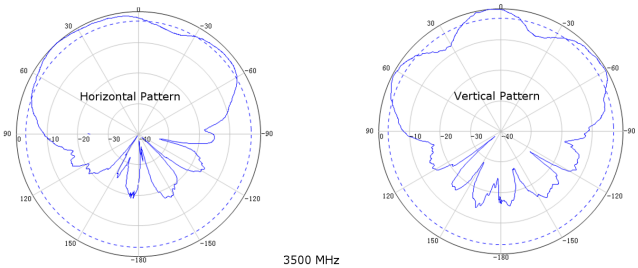
| | | |
|---|---|---|
| **Environmental Class** | | Indoor |




900 MHz




1880 MHz




3500 MHz

External Document Links

Notes



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