



The panel MIMO antenna I-ATP5-43-698/3800M 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 4.3-10 female connector
- Ceiling mounting



I-ATP5-43-698/3800M

Technical features

GENERAL SPECIFICATIONS

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

MECHANICAL SPECIFICATIONS

| | | |
|-----------------------------------|---------|----------------------|
| Number of Input Ports | | 2 |
| Connectors | | 4.3-10 female |
| Connector Cable | mm (in) | 300 (11.8) |
| Mounting Hardware included | | Wall bracket, screws |
| Height (Less Connectors) | mm (in) | 62 (2.4) |
| Diameter (Less Connectors) | mm (in) | 4.3 () |
| Width (Less Connectors) | mm (in) | 180 (7.1) |
| Length (Less Connectors) | mm (in) | 400 (15.75) |
| Weight | kg (lb) | 1.2 (2.65) |

ELECTRICAL SPECIFICATIONS

| Frequency | MHz | 698 - 806 | 806 - 960 | 1427 - 2170 | 2200 - 2700 | 3400 - 4000 |
|-------------------------------------|-----|-------------------------|-----------|-------------|-------------|-------------|
| Gain, typ. | dBi | 5.0 | 6.0 | 7.0 | 7.0 | 5.5 |
| max. VSWR | | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Beam width, Vertical, typ. | ° | 73 | 70 | 60 | 60 | 30 |
| Beam width, Horizontal, typ. | ° | 80 | 80 | 65 | 60 | 55 |
| Impedance, Ohm | Ω | 50 | | | | |
| Polarization | | Vertical and Horizontal | | | | |
| Intermodulation (IM3) | | -153dBc (2 x 43dBm) | | | | |
| Total Input Power max. | W | 50 | | | | |

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 |
|----------------------------|--|--------|

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