



I-ATP5-698/3800

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.

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 N female connector
- Ceiling mounting

Technical Features

STRUCTURE

| | |
|-------------------|----------------------|
| Product Type | Panel Antenna |
| Interface | N female |
| Number of Ports | 1 |
| Mounting Hardware | Wall bracket, screws |
| Radome Material | ABS |
| Radome Color | White (RAL9003) |
| Connection Cable | 300mm (11.8in) |

MECHANICAL SPECIFICATIONS

| | |
|--------------------------|----------------|
| Lenght (Less Connectors) | 60mm (2.36in) |
| Width (Less Connectors) | 170mm (6.7in) |
| Height (Less Connectors) | 180mm (7.09in) |
| Weight | 0.4kg (0.88lb) |

ELECTRICAL SPECIFICATIONS

| Polarization | Vertical | | | |
|------------------------|------------|------------------------|--------------------------|-------------------------|
| Impedance | 50 Ω | | | |
| Total Input Power max. | 50 w | | | |
| Frequency [MHz] | Gain [dBi] | Beamwidth [°] vertical | Beamwidth [°] horizontal | Return Loss [dB] (VSWR) |
| 698 - 806 | 5.0 ± 1.0 | 73 | 80 | 10.9 (1.8) |
| 806 - 960 | 6.0 ± 1.0 | 70 | 80 | 10.9 (1.8) |
| 1427 - 1710 | 7.0 ± 1.0 | 60 | 65 | 10.9 (1.8) |
| 1710-2700 | 7.0 ± 1.0 | 60 | 60 | 10.9 (1.8) |
| 3400-4000 | 5.5 ± 0.5 | 30 | 55 | 10.9 (1.8) |



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TESTING AND ENVIRONMENTAL

| | |
|--------------------------------|---------------|
| Ingress Protection (IP) Rating | Indoor |
| Maximum Humidity | 95 % |
| Operation Temperature, Minimum | -40°C (-40°F) |
| Operation Temperature, Maximum | 60°C (140°F) |

External Document Links

Notes