

# Indoor Panel Antenna



## 970120XX

- **Frequency Range: 600-6000MHz**
- **V Pol, 14°-110° Horizontal Beamwidth**
- **Gain: 5.0-8.5dBi**
- **Compact size and light weight**
- **Easy to be installed**



### Technical Data

#### Electrical Specifications

| Type No.                  | N Female      | 97012020 | 97012023 | 97012025  |           |           |
|---------------------------|---------------|----------|----------|-----------|-----------|-----------|
|                           | 4.3-10 Female | 97012030 | 97012033 | 97012035  |           |           |
| P1M,3rd Order,2x20W (dBc) | ≤-140         |          | ≤-150    |           | ≤-153     |           |
| Frequency Band, MHz       | 600-617       | 617-806  | 806-960  | 1710-2700 | 3300-4000 | 4900-6000 |
| Gain, dBi                 | 5.0           | 5.5      | 6.5      | 8.0       | 7.0       | 8.5       |
| VSWR                      | ≤2.5          | ≤2.3     | ≤2.0     | ≤1.8      | ≤1.8      | ≤2.0      |
| Polarization              | Vertical      |          |          |           |           |           |
| Front to Back Ratio, dB   | ≥8            | ≥9       | ≥10      | ≥15       | ≥11       | ≥8.5      |
| Horizontal Beam width     | 110°          | 100°     | 85°      | 65°       | 50°       | 14°       |
| Vertical Beam width       | 95°           | 90°      | 82°      | 60°       | 45°       | 16°       |
| Input Impedance, ohms (Ω) | 50            |          |          |           |           |           |
| Input Power (W)           | 50            |          |          |           |           |           |
| Lightning protection      | DC Ground     |          |          |           |           |           |

#### Mechanical Specifications

|                        |                                      |
|------------------------|--------------------------------------|
| Size (mm)              | 180x158x60                           |
| Weight (kg)            | 0.4                                  |
| Radome Material, Color | ABS (UV Stabilized), White, RAL 9003 |
| Reflector material     | Aluminum                             |

#### Environmental Specifications

|                              |                |
|------------------------------|----------------|
| Operational Temperature (°C) | -40°C to +65°C |
| Operational Humidity (%)     | ≤95            |

#### Radiation Patterns

