GRA10

Multi-system passive antenna

- Gain
  - Passive: 3dBi
- Frequency: 1.15-1.8GHz
- Typical Applications:
  - GPS, GLONASS, BEIDOU2 signal indoor coverage, etc
  - Passive antenna

RoHS

The directory describes the Specifications of the antenna GRA10, dimensions, connectors, and other information, through this directory, you can quickly determine the products you need.

www.gemsnav.com
## Multi-system Passive Antenna

### Antenna Specifications

- **Frequency Range [MHz]**: 1.15-1.8GHz
- **Gain**: 3 dBi
- **Polarization**: Vertical polarization
- **Input (VSWR)**: ≤ 1.45
- **Intermodulation**: < -110dBm
- **Input Impedance**: 50Ω
- **Max Power**: 50W
- **Connector**: N(Female), SMA(Female), TNC (female), etc.

### Mechanical Specifications

- **Lightning Protection**: DC Ground
- **Radome Material**: UV-Protected ABS
- **Dimension [mm]**: Ø 186 × 85
- **Weight [g]**: 400
- **Operating Temperature [°C]**: -40~+60
- **Limit Temperature [°C]**: -55~+70
- **Operating Humidity [%]**: 5~95
- **Circumstance**: Indoor

### Installation Tips:

1. Please select the appropriate location on the ceiling drilling, pore size of which about 20MM, then tighten the nut fixing the antenna on the ceiling;

2. The thickness of the ceiling don’t exceed 20MM;

3. The antenna don’t close to the fire.
### Frequency Reference Table:

<table>
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<th>Satellite Systems (GNSS/CNSS)</th>
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<td>Satellite Systems (GNSS/CNSS)</td>
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<td>GPS (USA) L1, L2, L2C, L5</td>
<td>L5+/-12</td>
<td>L2/L2C+/-12</td>
<td>L6+/-5</td>
<td>L1+/-12</td>
<td>G1+/-7</td>
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<td>E5+/-12</td>
<td>E5b+/-12</td>
<td>L6+/-5</td>
<td>L1+/-17</td>
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<td>B3+/-10</td>
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<td>B1+/-2</td>
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Dimensions:

![Antenna Diagram](image)

**Multi-system Passive Antenna**

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