

## Sencity® Omni-SR Antenna 1399.17.0106

### Description

Small omni-directional outdoor antenna for WiFi applications.  
 Supports all Wi-Fi 6E bands.  
 Supports cellular 2.4 / 2.6 / 3.5 GHz bands.  
 Fire retardant acc. to DIN 5510-2, BS 6853, EN 45545-2, NFPA130  
 Rugged design with single hole mounting.  
 Protection against lightning.



### Product Configuration

### Technical Data

#### Electrical Data

|                          | Band 1      | Band 2      | Band 3      | Band 4      |
|--------------------------|-------------|-------------|-------------|-------------|
| Frequency (MHz)          | 2400 - 2500 | 2500 - 2700 | 3400 - 3800 | 4900 - 5925 |
| VSWR                     | 1.8         | 2           | 2           | 1.8         |
| Impedance (Ohm)          | 50          | 50          | 50          | 50          |
| Gain (dBi)               | 6           | 6           | 6           | 8           |
| 3dB beamwidth (h) (°)    | 360         | 360         | 360         | 150         |
| Composite power max (W)  | 350         | 350         | 300         | 300         |
| Ambient temperature (°C) | 25          | 25          | 25          | 25          |

  

|                          | Band 5      |
|--------------------------|-------------|
| Frequency (MHz)          | 5925 - 7125 |
| VSWR                     | 1.9         |
| Impedance (Ohm)          | 50          |
| Gain (dBi)               | 8           |
| 3dB beamwidth (h) (°)    | 170         |
| Composite power max (W)  | 300         |
| Ambient temperature (°C) | 25          |

#### Ports

|              | Port 1           |
|--------------|------------------|
| Connector    | N, jack (female) |
| Polarization | vertical         |
| DC grounded  | Yes              |

#### Connections

|        | Band 1 | Band 2 | Band 3 | Band 4 | Band 5 |
|--------|--------|--------|--------|--------|--------|
| Port 1 | X      | X      | X      | X      | X      |

#### General Data

Note that all VSWR values are guaranteed without metallic ground plane.

#### Mechanical Data

Dimensions (mm) 43 x 86 (Height x Diameter)  
 Weight (kg) 0.3

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Grounding Designed acc. to UIC 533, DC-grounded antenna element  
Corrosion Low corrosion design acc. to MIL-F-14072(E)

### Environmental Data

|   |                           |
|---|---------------------------|
| Environmental conditions                                | indoor                    |
| Operation temperature (°C)                              | -40 to 80                 |
| Storage temperature (°C)                                | -40 to 80                 |
| Transport temperature (°C)                              | -40 to 80                 |
| IP rating   | IP65                      |
| Flammability rating                                     | DIN 5510                  |
| 2011/65/EU (RoHS - including<br>2015/863 and 2017/2102) | compliant                 |
| WEEE 2012/19/EU   | no special marking needed |
| REACH 1907/2006/EC                                      | compliant                 |

Environmental tests EN 50155:2004

Flammability rating: DIN 5510-2, BS 6853, EN 45545-2, NFPA130

### Material Data

|                                |                       |
|--------------------------------|-----------------------|
| Radome colour                  | RAL 7035 (light-grey) |
| Radome material                | PC (Polycarbonate)    |
| Back plate/base plate material | Aluminium             |

### Related Products

9091.99.0221 Omni Antenna Ceiling Bracket

### Related Documents

|                      |                |
|----------------------|----------------|
| Mounting instruction | DOC-0000224458 |
| Painting instruction | DOC-0000256180 |
| Security instruction | DOC-0000278984 |
| Outline drawing      | DOU-00098783   |
| 3D-model             | DOC-0000295079 |