

Sencity® Omni-SR Antenna 1399.17.0111

Description

Small omni-directional outdoor antenna for WiFi and industrial 5G applications.
 Supports all Wi-Fi 6E bands.
 Supports the 3.7-3.8 GHz industrial 5G application.
 Fire retardant acc. to DIN 5510-2, BS 6853, NF F16-101/102, EN 45545-2.
 Rugged design with single hole mounting.



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 |
| 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 |
| 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

Gain measured using a \varnothing 1m ground plane
 10dB beamwidth horizontal: 360°

Mechanical Data

Dimensions (mm) 50.6 x 86 (Height x Diameter)
 Weight (kg) 0.3
 Windload frontal: 10 N at 160 km/h , Wind speed survival: km/h

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Environmental Data

| | |
|--|---------------------------|
| Environmental conditions | outdoor |
| Operation temperature (°C) | -40 to 80 |
| Storage temperature (°C) | -40 to 80 |
| Transport temperature (°C) | -40 to 80 |
| IP rating | IP68 |
| Flammability rating | DIN 5510 |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant |
| WEEE 2012/19/EU | no special marking needed |
| REACH 1907/2006/EC | compliant |

Vibration test (24 hours) acc. to EN60068-2-64.

Shock test (35g) acc. to EN60068-2-27.

Flammability rating: DIN 5510-2, BS 6853, NF F16-101/102, EN 45545-2.

Material Data

| | |
|--------------------------------|---|
| Radome colour | RAL 7043 (dark grey) |
| Radome material | ASA (acrylic ester-styrene-acrylonitrile) |
| Back plate/base plate material | Stainless Steel |

Related Documents

| | |
|----------------------|----------------|
| Mounting instruction | DOC-0000254463 |
| Painting instruction | DOC-0000256180 |
| Security instruction | DOC-0000278984 |
| Outline drawing | DOU-00102065 |
| 3D-model | DOC-0000270825 |

Additional Information

The antenna 1399.17.0108 can be mounted on a support with a thickness of up to 30mm (Antenna 1399.17.0111: 10mm). Please refer to the mounting instruction for installation details.