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DATA SHEET

# SENCITY® Omni-SR Dome Antenna

1399.17.0108

## Properties

- Compact Omnidirectional outdoor antenna for Wi-Fi 6E bands (2.4 GHz / 5GHz / 6 GHz) & industrial 5G (3.7-3.8 GHz)
- Rugged design, meets EN 50155 Railway Standard and IP68 rating
- Fire retardant acc. to DIN 5510-2, BS 6853, NF F16-101/102, EN 45545-2
- Single hole mounting



| Electrical data | | | | |
|---|---|---|---|---|
| | **Band 1** | **Band 2** | **Band 3** | **Band 4** |
| Frequency | 2400 MHz ... 2500 MHz | 2500 MHz ... 2700 MHz | 3400 MHz ... 3800 MHz | 4900 MHz ... 5925 MHz |
| Impedance | 50 Ω | 50 Ω | 50 Ω | 50 Ω |
| VSWR | 1.8 | 2 | 2 | 1.8 |
| Gain | 6 dBi | 6 dBi | 6 dBi | 8 dBi |
| Ambient Temperature | 25 °C | 25 °C | 25 °C | 25 °C |
| Composite Power max | 350 W | 350 W | 300 W | 300 W |

| | **Band 5** |
|---|---|
| Frequency | 5925 MHz ... 7125 MHz |
| Impedance | 50 Ω |
| VSWR | 1.9 |
| Gain | 8 dBi |
| Ambient Temperature | 25 °C |
| Composite Power max | 300 W |

| Electrical remarks | |
|---|---|
| Remarks | Gain measured using a ø1m ground plane<br>10dB beamwidth horizontal: 360° |

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

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| Connections | |
|---|---|
| | Port 1 |
| Band 1 | ✓ |
| Band 2 | ✓ |
| Band 3 | ✓ |
| Band 4 | ✓ |
| Band 5 | ✓ |

| Mechanical data | |
|---|---|
| Weight | 0.3 kg |
| Dimensions | 50.6 mm x 86 mm (Height x Diameter) |
| Windload | front: 10 N at 160km/h, Wind Speed survival: 160 km/h |

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

| Environmental data | |
|---|---|
| Operation temperature | -40 °C ... 80 °C |
| Storage temperature | -40 °C ... 80 °C |
| Transport temperature | -40 °C ... 80 °C |
| Environment (application) | Outdoor |
| Ingress protection (IP Rating) | IP68 |
| Flammability rating | DIN 5510 |

## Environmental remarks

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.

## 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.

## Ordering information

| Item description | Item number | Product name |
|---|---|---|
| 1399.17.0108 | 84040934 | SENCITY® Omni-SR Dome Antenna |

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