

Sencity® Omni-S Antenna 1399.17.0108

SWA-2459/360/7/20/V_2

Description

Small omni-directional outdoor antenna for WiFi applications.
 Supports the 2.4 GHz and 5 GHz band.
 Rugged design.
 Fire retardant acc. to DIN 5510-2, BS 6853, NF F16-101/102, EN 45545-2.
 Single hole mounting.



Product Configuration

Technical Data

Electrical Data

| | Band 1 | Band 2 | Band 3 | Band 4 |
|-----------------|-------------|-------------|-------------|-------------|
| Frequency (MHz) | 2400 - 2500 | 2500 - 2700 | 3400 - 3700 | 4900 - 5470 |
| VSWR | 1.8 | 2 | 2 | 1.8 |
| Impedance (Ohm) | 50 | 50 | 50 | 50 |
| Gain (dBi) | 6 | 6 | 7 | 8 |

| | Band 5 |
|-----------------|-------------|
| Frequency (MHz) | 5470 - 5935 |
| VSWR | 1.8 |
| Impedance (Ohm) | 50 |
| Gain (dBi) | 8 |

Ports

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

General Data

| | |
|-------------------------|-----|
| DC Grounding | Yes |
| Composite Power max (W) | 75 |

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: 160 km/h |

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 |
| RoHS 2011/65/EU | compliant |
| REACH 2006/1907/EC | compliant |

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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 Products

9091.99.0224 Omni Antenna Pol Bracket

Related Documents

| | |
|----------------------|----------------|
| Mounting instruction | DOC-0000254463 |
| Painting instruction | DOC-0000256180 |
| Security instruction | DOC-0000278984 |
| Outline drawing | DOU-00099974 |
| 3D-model | DOC-0000270826 |

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.