

## Sencity® Omni-S Antenna 1399.17.0111

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: 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-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.