Data Sheet

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 ø1m 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.

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.