

Sencity® Omni-SR Antenna 1399.17.0106

Description

Small omni-directional outdoor antenna for WiFi applications.
 Supports all Wi-Fi 6E bands.
 Supports cellular 2.4 / 2.6 / 3.5 GHz bands.
 Fire retardant acc. to DIN 5510-2, BS 6853, EN 45545-2, NFPA130
 Rugged design with single hole mounting.
 Protection against lightning.



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
3dB beamwidth (h) (°)	360	360	360	150
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
3dB beamwidth (h) (°)	170
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

Ground plane Note that all VSWR values are guaranteed with and without metallic ground plane.

Mechanical Data

Dimensions (mm) 43 x 86 (Height x Diameter)
 Weight (kg) 0.3

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Grounding Designed acc. to UIC 533, DC-grounded antenna element
Corrosion Low corrosion design acc. to MIL-F-14072(E)

Environmental Data

Environmental conditions	indoor
Operation temperature (°C)	-40 to 80
Storage temperature (°C)	-40 to 80
Transport temperature (°C)	-40 to 80
IP rating	IP65
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

Environmental tests EN 50155:2004

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Material Data

Radome colour	RAL 7035 (light-grey)
Radome material	PC (Polycarbonate)
Back plate/base plate material	Aluminium

Related Products

9091.99.0221 Omni Antenna Ceiling Bracket

Related Documents

Mounting instruction	DOC-0000224458
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00098783
3D-model	DOC-0000295079