

Sencity® Omni-S Antenna 1399.17.0106

SWA-2459/360/7/20/V_1

Description

Small omni-directional indoor antenna for WiFi applications.
 Supports the 2.4 GHz and 5 GHz bands.
 Rugged design, meets EN 50155 railway standard.
 Fire retardant acc. to DIN 5510-2, BS 6853, EN 45545-2.
 Protection against lightning.



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
3dB beamwidth (h) (°)	360	360	360	150
Band 5				
Frequency (MHz)	5470 - 5935			
VSWR	1.8			
Impedance (Ohm)	50			
Gain (dBi)	8			
3dB beamwidth (h) (°)	170			

Ports

	Port 1
Connector	N, jack (female)
Polarization	vertical

General Data

DC Grounding	Yes
Composite Power max (W)	75

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

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

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

Environmental tests EN 50155:2004
Flammability rating: DIN 5510-2, BS 6853, EN 45545-2 (2013)

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