

# HUBER+SUHNER® DATA SHEET

## Sencity® OMNI-S MIMO Antenna: 1399.35.0002

Rev.: J



### SWA-2456/360/6/0/MIMO\_2

#### Description

Sencity® OMNI-S MIMO Antenna  
Small omni-directional MIMO 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, NF F16-101/102, CEN/TS 45545 (2009) .



#### Product Configuration

#### Technical Data

##### Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	2400 - 2485	2495 - 2690	5150 - 5350	5470 - 5935
VSWR	1.5	1.5	1.5	1.5
Gain (dBi)	4	4	6	6
3dB beamwidth (h) (°)	360	360	360	360
Isolation between ports (dB)	20	20	20	20

##### General Data

Nominal impedance	50 Ω
DC grounded	Yes
Polarisation	vertical
Connector	QMA, jack (female), bottom
Composite power max.	10 W at ambient temperature 25 °C
Note	Polarization is 3 x linear, vertical for MIMO application. All 3 antenna elements have the same characteristics as indicated above.

##### Mechanical Data

Dimensions (mm)	281.8 x 91.8 x 31 (Height x Width x Depth)
Weight	0.32 kg
Corrosion	low corrosion design acc. to MIL-F-14072(E).

##### Environmental Data

Environmental conditions	indoor
Operation temperature (°C)	-40 to 85
Storage temperature (°C)	-40 to 85
Transport temperature (°C)	-40 to 85
RoHS 2002/95/EC	compliant
Flammability rating	DIN 5510-2, BS 6853, NF F16-102, CEN/TS 45545 (2009)
High-voltage-protection	Designed acc. to UIC 533, DC-grounded antenna
Environmental compliance	EN50155:2007

##### Material Data

Radome colour	RAL 7044 (grey)
Radome material	PC
Back plate/base plate material	Aluminium

##### Related Documents

Mounting instruction	DOC-0000333282
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

#### WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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Outline drawing1  
3D-model (Step)

DOU-00180748  
DOC-0000353495

### Additional Information

Some documents are related to the similar antenna type 1399.35.0001.

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