

# HUBER+SUHNER® DATA SHEET

## Sencity Road Antenna \*\*\*PRELIMINARY\*\*\*: 1399.99.0039



SWA-0860/360/5/10/DFRX30

### Description

Vehicle rooftop multi-band antenna for cellular, WiFi 2.4 and 5 GHz, GPS/Glonass applications.

Stick antenna socket to support i.e. for TETRA/Tetrapol.

0.3m pigtail and different connector for each of the 4 antenna elements.

Rugged construction for heavy duty vehicles, i.e. bus and truck.

Works also on non-metallic surfaces.

Single hole mounting, easy cabling feed-through.



\*\*\*Market launch planned for Q1.2011\*\*\*

### Product Configuration

#### Technical Data

##### Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	800 - 960	1710 - 2170	2400 - 2690	4900 - 5935
VSWR	1.8	1.8	1.8	2
Gain (dBi)	5	5	5	5
Isolation between ports (dB)	15	15	15	15

##### General Data

Nominal impedance	50 $\Omega$
Polarisation	vertical
Pigtail	Length: 0.3 m
Composite power max.	10 W
Ground plane	Indicated VSWR values are also valid for installations on non-metallic surfaces (no ground plane requirements).

	<Band>	<Connector>	<Cable>	<Indicator>
Connector 1	Band 1+2	SMA-m	EF316	white
Connector 2	Band 3+4	SMA-f	EF316D	blue
Connector 3	GPS	TNC-m	EF316D	black
Connector 4	stick ant. socket	TNC-f	EF316	red

Available stick antennas, please see section "Related products".

##### Electrical Data (GPS)

Frequency (MHz)	1574 - 1610
VSWR	2
Nominal impedance	50 $\Omega$
Polarisation	circular right
Connector	TNC, plug (male)
The antenna supports GPS/Galileo and Glonass.	
LNA noise figure	2 dB
LNA current consumption	30 mA
LNA input voltage range	3..5V
Total gain @90° elevation	30 dBiC

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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### Mechanical Data

Dimensions (mm)	82 x 83 x 208 (Height x Width x Depth)
Weight	0.41 kg
Stick antenna	max. length = 0.5m
Mounting breakthrough	Ø30mm

### Environmental Data

Environmental conditions	outdoor
Operation temperature (°C)	-40 to 85
Storage temperature (°C)	-40 to 85
Transport temperature (°C)	-40 to 85
IP rating	IP 69K
Solar radiation	DIN 75220
RoHS 2002/95/EC	compliant
Flammability	materials chosen acc. to UL 94-HB
Environmental tests	ISO 16750:2010
Corrosion	designed acc. to MIL-F-14072D (low corrosion design)
e-Mark	yes
CE-Mark	yes

### Material Data

Radome colour	RAL 7043 (dark grey)
Radome material	ASA_SAN
Back plate/base plate material	Aluminium

### Related Products

9091.99.0246	FM Radio Stick antenna 88-108 MHz ***PRELIMINARY***
9091.99.0247	TETRA Stick antenna 380-430 MHz ***PRELIMINARY***
9091.99.0248	TETRA Stick antenna 450-470 MHz ***PRELIMINARY***
9091.99.0250	Metal ground plane foil 0.6x0.6m ***PRELIMINARY***

### Related Documents

Mounting instruction	DOC-0000361395
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing1	DOU-00175956
3D-model (Step)	DOC-0000367494

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