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.



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 50Ω Polarisation vertical Pigtail Length: 0.3 m 10 W

Composite power max.

Ground plane Indicated VSWR values are also valid for installations on non-metallic surfaces

(no ground plane requirements).

	<band></band>	<connector></connector>	<cable></cable>	<indicator></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** Nominal impedance 50Ω

circular right Polarisation 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

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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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^{***}Market launch planned for Q1.2011***

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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***

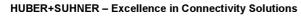
Related Documents

Mounting instructionDOC-0000361395Painting instructionDOC-0000256180Security instructionDOC-0000278984Outline drawing1DOU-001759563D-model (Step)DOC-0000367494

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