HUBER+SUHNER® DATA SHEET Sencity Road Antenna: 1399.99.0039



SWA-0860/360/5/10/DFRX30

Description

Rugged vehicle rooftop multi-band antenna for heavy duty vehicles like bus and truck. Supports cellular, WiFi 2.4, 5 GHz and IEEE 802.11p, GPS/Glonass. Offers a stick antenna socket and separate connector for each application. Single hole mounting, easy cabling feed-through. Works also on non-metallic surfaces.



Rev . T 00

Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	790 - 960	1710 - 2170	2400 - 2690	1710 - 2690
VSWR	1.8	1.8	1.8	1.8
Gain (dBi)	5	4	4	6

Band 5 Frequency (MHz) 4900 - 5935 **VSWR** 1.8 Gain 7 dBi

General Data

Nominal impedance 50Ω Polarisation vertical Length: 0.3 m Pigtail 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> Band 1,2,3 Port/Connector 1 SMA-m FF316 white Port/Connector 2 Band 4+5 SMA-f EF316D blue Port/Connector 3 GPS/Glonass TNC-m EF316D black Port/Connector 4 stick ant. socket TNC-f EF316 red

Isolation between ports >20 dB (Port 1 and 2)

MIMO/Diversity support A W-CDMA 2100 and LTE 2600 2x2 MIMO configuration is supported by

using port 1 and 2. In this setup, no stub antenna shall be equipped in order

to ensure best MIMO performance.

Available stick antennas see section 'Related products'

Electrical Data (GPS)

Frequency (MHz) 1574 - 1610

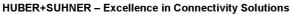
VSWR 2 Nominal impedance 50Ω

Polarisation circular right Connector TNC, plug (male)

GPS/Galileo and Glonass Supported systems

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

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



Document: DOC-0000332449 W



HUBER+SUHNER AG RF Industrial 9100 Herisau, Switzerland Phone +41 (0)71 353 41 11

+41 (0)71 353 45 90 Fax www hubersuhner com

HUBER+SUHNER® DATA SHEET Sencity Road Antenna: 1399.99.0039

Rev · T 00

2 dB LNA noise figure LNA current consumption 30 mA LNA input voltage range 3..5V Total gain @90° elevation 30 dBiC

Values for LNA power consumption, noise figure and gain are given for a 5V

operating voltage and may differ slightly for a lower voltage

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 Solar radiation DIN 75220 RoHS 2002/95/EC compliant IP Rating IP 69K. IP 68

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 9091.99.0247 TETRA Stick antenna 380-430 MHz 9091.99.0248 TETRA Stick antenna 450-470 MHz 9091.99.0250 Metal ground plane foil 0.6x0.6m

Related Documents

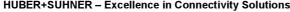
Mounting instruction DOC-0000361395 Painting instruction DOC-0000256180 Security instruction DOC-0000278984 Outline drawing1 DOU-00175956 3D-model (Step) DOC-0000367494

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

Document: DOC-0000332449 W

WAIVERI

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



HUBER+SUHNER – Excellence in Connectivity Solutions



RF Industrial 9100 Herisau, Switzerland Phone +41 (0)71 353 41 11 +41 (0)71 353 45 90 Fax

www hubersuhner com