HUBER+SUHNER® DATA SHEET Sencity Avant Antenna: 1399.17.0099



SWA-0860/360/4/0/V 2

Description

Light-rail rooftop antenna supports TDMA, D-AMPS, GSM 900, GSM 1800, GSM/PCS 1900, UMTS, 2.4, 3.5, 4.9 Public Safety, 5.3 & 5.8 GHz Bands. Rugged design, meets EN 50155 railway standard.

Works also on non-metallic surfaces.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	806 - 824	824 - 960	1710 - 2170	2400 - 2700
VSWR	1.9	1.6	1.8	1.5
Gain (dBi)	6	6	8.5	9.5
3dB beamwidth (h) (°)	360	360	360	360
	Band 5	Band 6		
Frequency (MHz)	3400 - 3700	4900 - 5935		
VSWR	1.5	1.7		

8.5

360

General Data

3dB beamwidth (h) (°)

Gain (dBi)

Nominal Impedance 50Ω DC grounded Yes Polarisation vertical

Connector N, jack (female), bottom

100 W Composite Power max. Ambient Temperature 50 °C

Indicated VSWR values are also valid for installations on non-metallic surfaces (no specific ground plane requirements).

Mechanical Data

Dimensions (mm) 90 x 70 x 250 (Height x Width x Depth)

95

360

Weight 0.51 kg

Designed acc. to UIC 533, DC-grounded antenna element (protection against lightning and short circuit with catenary lines (10 kA/0.1s). Low corrosion design acc. to MIL-F-14072(E).

Environmental Data

Operation Temperature (°C) -40 to 85 IP Rating **IP 68** Storage Temperature (°C) -40 to 85 Transport Temperature (°C) -40 to 85 Solar Radiation DIN 75220 RoHS compliant

Tested acc. to EN 50155:2004

Material Data

Radome Colour RAL 5011 (steel blue)

Radome Material ASA SAN

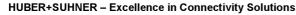
Back Plate/Base Plate Colour RAL 5011 (steel blue)

Back Plate/Base Plate Material Aluminium

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

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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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Rev.: >

Related Documents

Mounting InstructionDOC-0000248735Painting InstructionDOC-0000256180Security InstructionDOC-0000278984Outline Drawing1DOU-00093283

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