Data Sheet

HUBER+SUHNER

Sencity Special Communication Antenna
848657

Description

Omni-directional Antenna
Frequency Range 410 - 430 MHz
Vertical Polarization
Fixed Electrical Downtilt 8.5°
8 dBi Gain

Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (MHz)	410 - 430
VSWR	1.5
Impedance (Ohm)	50
Gain (dBi)	8
Composite power max (W)	500
Ambient temperature (°C)	50
Vertical electrical tilt (°)	8.5

Ports

	Port 1
Connector	7/16, jack (female)
Polarization	vertical
DC grounded	Yes

Connections

	Band 1
Port 1	X

General Data

IMD level	-150 dBc at carrier power 2x 43dBm

Mechanical Data

Dimensions (mm)	3114 x 51 (Height x Diameter)
Weight (kg)	8
Windload	frontal: 220 N at 150 km/h , Wind speed survival: 200 km/h

Packing size (mm): 3376x196x102

Environmental Data

Environmental conditions	outdoor
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
WEEE 2012/19/EU	no special marking needed
REACH 1907/2006/EC	compliant

Mounting:

The antenna can be attached laterally at the tip of a tubular mast of 50-94 mm diameter with two U-bolt brackets supplied with the antenna (connecting cable runs outside the mast).

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Anti-static protection:

All metal parts of the antenna as well as the supplied clamp attachment are grounded. The inner conductor is capacitively coupled.

Lightning protection:

The antenna is designed to withstand a lightning current of up to 150 kA (impulse: 10/350 µs), according to IEC 62305 parts 1-4 and VDE 0855-300, and thereby fulfils the requirements of lightning protection class II. Grounding cross-section: 22 mm2 copper.

Material:

Base: Weather-proof Aluminum.

Mounting kit, screws and nuts: Stainless steel.

Material Data

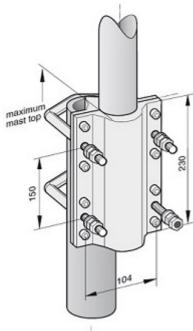|	
Radome colour	grey
Radome material	Glass Reinforced Plastic (GRP)
Back plate/base plate colour	grey
Back plate/base plate material	Aluminium

Related Products

738908 Side-mounting Clamp

737398 Side-mounting Bracket

Order separately!

Related Documents

Mounting instruction	DOC-0000871202
Security instruction	DOC-0000278984
Outline drawing	DOU-00397302

Additional Information

www.hubersuhner.com