Data Sheet

Sencity Special Communication Antenna 848114

Description

Omni-directional Antenna Frequency Range 370 - 430 MHz Vertical Polarization 2 dBi Gain

Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2
Frequency (MHz)	370 - 380	380 - 430
VSWR	1.6	1.5
Impedance (Ohm)	50	50
Gain (dBi)	2	2
Composite power max (W)	100	100
Ambient temperature (°C)	50	50

Ports

	Port 1
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

Connections

	Band 1	Band 2
Port 1	Х	X
General Data		
IMD level		-150 dBc at carrier power 2x 37dBm
Mechanical Data		
Dimensions (mm)		555 x 21 (Height x Diameter)

Weight (kg) Windload 555 x 21 (Height x Diameter) 1 frontal: 20 N at 150 km/h , Wind speed survival: 200 km/h

Packing size (mm): 112x97x654

Environmental Data

Environmental conditions 2011/65/EU (RoHS - including 2015/863 and 2017/2102) WEEE 2012/19/EU REACH 1907/2006/EC

compliant no special marking needed compliant

outdoor

Mounting:

The antenna can be attached in two ways with the supplied mounting kit:

1. On the tip of a tubular mast of 40-54 mm diameter (connecting cable runs inside the mast).

2. Laterally at the tip of a tubular mast of 20-54 mm diameter (connecting cable runs



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outside the mast).

Grounding: All metal parts of the antenna including the mounting kit are DC grounded.

Material:

Mounting U-bolt and all screws and nuts: Stainless steel.

Material Data

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

Related Documents

Mounting instruction Security instruction Outline drawing

Additional Information

DOC-0000866082 DOC-0000278984 DOU-00397144



On the tip



Laterally at the tip

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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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 information purposes only.