

Sencity Special Communication Antenna 853266

Description

Omni-directional Antenna
Frequency Range 450-470 MHz
Vertical Polarization
Gain 8.5 dBi



Product Configuration

Technical Data

Electrical Data

Band 1	
Frequency (MHz)	450 - 470
VSWR	1.5
Impedance (Ohm)	50
Gain (dBi)	8.5
Composite power max (W)	500
Ambient temperature (°C)	50

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) 3113 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): 3379x206x152

Environmental Data

Environmental conditions outdoor
2011/65/EU (RoHS - including compliant
2015/863 and 2017/2102)
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).

Anti-static protection:

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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 μ s), 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-00397373

Additional Information

