# **Data Sheet**



# **Sencity Special Communication** K862748

### **Description**

Omni-directional Antenna Frequency Range 380 - 400 MHz Vertical Polarization Gain 7.5 dBi

## **Product Configuration**

### **Technical Data**

#### **Electrical Data**

	Band 1
Frequency (MHz)	380 - 400
VSWR	1.5
Impedance (Ohm)	50
Gain (dBi)	7.5
Composite power max (W)	500
Ambient temperature (°C)	50

#### **Ports**

Port name Tetra  Connector 7/16, jack	( (famala)
Connector 7/16, jack	( (female)
	(Terrale)
Polarization vertical	
DC grounded Yes	

#### Connections

	Band 1
Port 1	X

#### **General Data**

Intermodulation IM3 < -150 dBc (2 x 43 dBm carrier)

#### **Mechanical Data**

Dimensions (mm) 2840 x 112 x 148 (Heigth x Width x Depth) 8

Weight (kg)

frontal: 200 N at 150 km/h , Wind speed survival: km/h Windload

#### **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

Material:

Radiator: Copper and brass. Radome: Fiberglass, colour: Grey. Base: Weather-proof aluminum.

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Mounting kit, screws and nuts: Stainless steel.

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: 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  $\mu s$ ), 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 Data**

Radome colour grey
Back plate/base plate colour grey
Back plate/base plate material Aluminium

#### **Related Products**

738908 Side-mounting Clamp 737398 Side-mounting Bracket

#### **Related Documents**

Mounting instructionDOC-0000871202Security instructionDOC-0000278984Outline drawingDOU-00397425

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