

## 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 1	
Port name	Tetra
Connector	7/16, jack (female)
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 (Height x Width x Depth)  
 Weight (kg) 8  
 Windload frontal: 200 N at 150 km/h , Wind speed survival: km/h

#### 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

#### 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 mm<sup>2</sup> 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 instruction	DOC-0000871202
Security instruction	DOC-0000278984
Outline drawing	DOU-00397425