

**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 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 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

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