

**SENCITY® SC Omni VPol Omni 380-400, 7.5dBi**

K862748

**Properties**

- Vertical polarized omni-directional high gain antenna
- Frequency range from 380 to 400 MHz
- The antenna is providing a gain of 7.5 dBi



Electrical data	
	Band 1
Frequency	380 MHz ... 400 MHz
Impedance	50 $\Omega$
VSWR	1.5
Gain	7.5 dBi
Ambient Temperature	50 °C
Composite Power max	500 W

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

Ports	
	Port 1
Port name	Tetra
Connector	7/16, jack (female)
Polarization	vertical
DC grounded	Yes

Connections	
	Port 1
Port name	Tetra
Band 1	

Mechanical data	
Weight	8 kg
Dimensions	2840 mm x 112 mm x 148 mm (Height x Width x Depth)
Windload	front: 200 N at 150 km/h

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Mechanical data	
Remarks	Material:
	Radiator: Copper and brass. Radome: Fiberglass, color: Grey.
	Base: Weather-proof aluminum.
	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).
	Grounding: cross-section: 22 mm <sup>2</sup> copper
	Anti-static protection: All metal parts of the antenna as well as the supplied clamp attachments 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

Material data	
Radome material	Fiberglass
Radome colour	Grey
Back plate/base plate material	Weather-proof aluminum
Back plate/base plate colour	Grey

Environmental data	
Environment (application)	Outdoor

Ordering information	
Item number	Item description
84467245	K862748

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