

## Sencity Special Communication Antenna 852628

### Description

2-Port Panel Antenna  
Frequency Range 380-500 MHz  
Dual Polarization (X-Pol)  
Half-power Beam Width 88°  
Gain 10.5 dBi



### Product Configuration

### Technical Data

#### Electrical Data

	Band 1	Band 2
Frequency (MHz)	380 - 430	430 - 500
VSWR	1.5	1.5
Impedance (Ohm)	50	50
Gain (dBi)	10	10.5
3dB beamwidth (h) (°)	88	86
3dB beamwidth (v) (°)	37	32
Composite power max (W)	500	500
Ambient temperature (°C)	50	50
Front to back ratio (dB)	20	20
Port Isolation (dB)	40	35

#### Ports

	Port 1	Port 2
Connector	7/16, jack (female)	7/16, jack (female)
Polarization	-45° slant	+45° slant
DC grounded	Yes	Yes

#### Connections

	Band 1	Band 2
Port 1	X	X
Port 2	X	X

#### General Data

IMD level -150 dBc at carrier power 2x 43dBm

#### Mechanical Data

Dimensions (mm) 1007 x 317 x 193 (Height x Width x Depth)  
Weight (kg) 10.5  
Windload frontal: 420 N at 150 km/h, lateral: 220 N at 150 km/h, Wind speed survival: 200 km/h

Packing size (mm): 1140x330x240

#### 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

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### Grounding:

The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.

### Ice protection:

Due to the very sturdy antenna construction and the protection of the radiating system by the radome, the antenna remains operational even under icy conditions.

### Material:

Reflector screen: Weather-proof aluminum.

All 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

731651 Clamp 28-60mm

738546 Clamp 42-115mm

85010002 Clamp 110-220mm

85010003 Clamp 210-380mm

737978 Downtilt Kit

Order separately. For downtilt mounting use the clamps for an appropriate mast diameter together with the downtilt kit.

### Related Documents

Mounting instruction	DOC-0000871276
Security instruction	DOC-0000278984
Outline drawing	DOU-00397695

### Additional Information

