

## Sencity Special Communication Antenna 91121402

### Description

Logarithmic-periodic Antenna  
 Frequency Range 380-520 MHz  
 Vertical Polarization  
 Half-power Beam Width 87°  
 Gain 9dBi



### Product Configuration

### Technical Data

#### Electrical Data

	Band 1	Band 2	Band 3
Frequency (MHz)	380 - 410	410 - 470	470 - 520
VSWR	1.5	1.5	1.5
Impedance (Ohm)	50	50	50
Gain (dBi)	9.2	9	8.7
3dB beamwidth (h) (°)	80	85	88
3dB beamwidth (v) (°)	61	60	59
Composite power max (W)	500	500	500
Ambient temperature (°C)	50	50	50

#### Ports

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

#### Connections

	Band 1	Band 2	Band 3
Port 1	X	X	X

#### General Data

#### Mechanical Data

Dimensions (mm) 785 x 400 x 400 (Height x Width x Depth)  
 Weight (kg) 6  
 Windload frontal: 54 N at 150 km/h, lateral: 150 N at 150 km/h, Wind speed survival: 180 km/h

Packing size (mm): 915x485x485

Connector position Rearside, pointing downwards

#### 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

Scope of supply:

Antenna with weather protective casing for straight connectors.

## Sencity Special Communication Antenna 91121402

### Attachment:

To tubular masts of 50-380 mm diameter depending on the separate available clamps.

### 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.

### Grounding:

All metal parts of the antenna including the mounting kit and the inner conductor are DC grounded.

### Material:

All screws and nuts: Stainless steel.

### Material Data

Radome colour	white
Radome material	Glass Reinforced Plastic (GRP)

### Related Products

738546 Clamp 42-115mm

85010002 Clamp 110-220mm

85010003 Clamp 210-380mm

Order separately.

### Related Documents

Mounting instruction	DOC-0000871335
Security instruction	DOC-0000278984
Outline drawing	DOU-00398100

### Additional Information

