

Sencity Special Communication Antenna 91121363

Description

1-Port Panel Antenna
 Frequency Band 380-500
 Vertical Polarization
 Half-power Beam Width 65°
 Gain 12 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)	11.5	12
3dB beamwidth (h) (°)	68	63
3dB beamwidth (v) (°)	37	32
Composite power max (W)	500	500
Ambient temperature (°C)	50	50
Front to back ratio (dB)	18	20

Ports

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

Connections

	Band 1	Band 2
Port 1	X	X

General Data

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

Mechanical Data

Dimensions (mm) 992 x 492 x 190 (Height x Width x Depth)
 Weight (kg) 12
 Windload frontal: 500 N at 150 km/h, lateral: 220 N at 150 km/h, Wind speed survival: 200 km/h

Packing size (mm): 1140x523x252

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-0000871322
Security instruction	DOC-0000278984
Outline drawing	DOU-00397842
3D-model	DOC-0000871128

Additional Information

