

Sencity Special Communication Antenna 852626

Description

2-Port Panel Antenna
Frequency Range 380-500 MHz
Dual Polarization (X-Pol)
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	65
3dB beamwidth (v) (°)	37	32
Composite power max (W)	500	500
Ambient temperature (°C)	50	50
Front to back ratio (dB)	25	25
Port Isolation (dB)	30	30

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) 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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Material:

Reflector screen: Weather-proof aluminum.

All screws and nuts: Stainless steel.

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 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-0000871233
Security instruction	DOC-0000278984
Outline drawing	DOU-00397490
3D-model	DOC-0000876657

Additional Information

