

Sencity Special Communication Antenna 91121514

Description

2-Port Panel Antenna
Frequency Range 380-470MHz
Dual Polarization (X-Pol)
Half-power Beam Width 65°
Adjust. Electrical Downtilt 0°-14°T
- set by hand or by optional RCU (Remote Control Unit)
Gain 14dBi



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2
Frequency (MHz)	380 - 430	430 - 470
VSWR	1.5	1.5
Impedance (Ohm)	50	50
Gain (dBi)	13.5	14
3dB beamwidth (h) (°)	66	62
3dB beamwidth (v) (°)	22	19
Composite power max (W)	400	400
Ambient temperature (°C)	50	50
Front to back ratio (dB)	25	25
Co/Crosspolar ratio (dB)	25	25
Vertical electrical tilt (°)	14	14
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) 1999 x 575 x 199 (Height x Width x Depth)
Weight (kg) 22
Windload frontal: 1160 N at 150 km/h, lateral: 480 N at 150 km/h, Wind speed survival: 200 km/h

Packing size (mm): 2250x640x225

Connector position: Bottom

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Environmental Data

Environmental conditions	outdoor
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
WEEE 2012/19/EU	no special marking needed
REACH 1907/2006/EC	compliant

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 material	Aluminium

Related Products

738546 Clamp 42-115mm

85010002 Clamp 110-220mm

85010003 Clamp 210-380mm

85010009 Downtilt Kit

86010148V01 Remote Control Unit (RCU)

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

Related Documents

Mounting instruction	DOC-0000871329
Security instruction	DOC-0000278984
Outline drawing	DOU-00397955

Additional Information

