Data Sheet



Sencity Special Communication Antenna 852629

Description

2-Port Panel Antenna Frequency Range 380-500 MHz Dual Polarization (X-Pol) Half-power Beam Width 88° Gain 13.5 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)	13	13.5
3dB beamwidth (h) (°)	88	86
3dB beamwidth (v) (°)	20	17
Composite power max (W)	500	500
Ambient temperature (°C)	50	50
Front to back ratio (dB)	20	20
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	Χ	X
Port 2	X	X

General Data

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

Mechanical Data

Dimensions (mm) 1997 x 317 x 193 (Heigth x Width x Depth)

Weight (kg) 18.

Windload frontal: 890 N at 150 km/h, lateral:480 N at 150 km/h , Wind speed survival: 200 km/h

Packing size (mm): 2130x330x240

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.

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

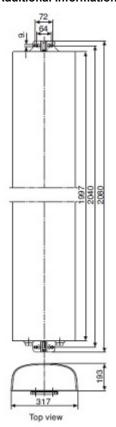
738546 Clamp 42-115mm 85010002 Clamp 110-220mm 85010003 Clamp 210-380mm 85010009 Downtilt Kit

Order separately. For downtilt mounting use the clamps for an appropriate mast diameter together with the downtilt kit. Wall mounting: No additional mounting is needed.

Related Documents

Mounting instructionDOC-0000871311Security instructionDOC-0000278984Outline drawingDOU-00397768

Additional Information



Data Sheet



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