

SENCITY® SC Panel

852628

Properties

- 2-Port Panel Antenna
- Frequency Range 380-500 MHz
- Dual Polarization (X-Pol)
- Half-power Beam Width 88°
- Gain 10.5 dBi



Electrical bands		
	Band 1	Band 2
Frequency	380 MHz ... 430 MHz	430 MHz ... 500 MHz
Impedance	50 Ω	50 Ω
VSWR	1.5	1.5
Gain	10 dBi	10.5 dBi
HPBW vertical	37 °	32 °
HPBW horizontal	88 °	86 °
Isolation between Ports	40 dB	35 dB
Front to back ratio	20 dB	20 dB
Ambient Temperature	50 °C	50 °C
Composite Power max	500 W	500 W

Ports		
	Port 1	Port 2
Port name	-45°	+45°
Connector	7/16, jack (female)	7/16, jack (female)
Polarization	-45° slant	+45° slant
DC grounded	Yes	Yes

Connections		
Port number	Port 1	Port 2
Band 1	✓	✓
Band 2	✓	✓

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Mechanical data	
Weight	10.5 kg
Dimensions	1007 mm x 317 mm x 193 mm (Height x Width x Depth)
Remarks	Windload frontal: 420 N at 150 km/h, lateral:220 N at 150 km/h , Wind speed survival: 200 km/h
	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.
Interface and material data	
Radome material	Glass Reinforced Plastic (GRP)
Radome colour	Grey
Back plate/base plate material	Aluminium
Back plate/base plate colour	Grey

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DOCUMENT PIM-P35399 / Date of publication: 20.03.2024 / uncontrolled copy