

SENCITY® SC Panel Antenna

852629

Properties

- 2-Port Panel Antenna
- Frequency Range 380-500 MHz
- Dual Polarization (X-Pol)
- Half-power Beam Width 88°
- Gain 13.5 dBi



Electrical data		
	Band 1	Band 2
Frequency	380 MHz ... 430 MHz	430 MHz ... 500 MHz
Impedance	50 Ω	50 Ω
VSWR	1.5	1.5
Gain	13 dBi	13.5 dBi
HPBW vertical	20 °	17 °
HPBW horizontal	88 °	86 °
Isolation between Ports	30 dB	30 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 1	Port 2
Port name	-45°	45
Band 1	✓	✓
Band 2	✓	✓

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Mechanical data	
Weight	18.5 kg
Dimensions	1997 mm x 317 mm x 193 mm (Height x Width x Depth)
Remarks	Windload frontal: 890 N at 150 km/h, lateral:480 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. Reflector screen: Weather-proof aluminum
Material data	
Radome material	Glass Reinforced Plastic (GRP)
Radome colour	Grey
Back plate/base plate material	Aluminium
Back plate/base plate colour	Grey
Ordering information	
Item number	Item description
84467202	852629

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