

SENCITY® SC Panel

852626

Properties

- 2-Port Panel Antenna
- Frequency Range 380-500 MHz
- Dual Polarization (X-Pol)
- Half-power Beam Width 65°
- Gain 12 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	11.5 dBi	12 dBi
HPBW vertical	37 °	32 °
HPBW horizontal	68 °	65 °
Isolation between Ports	30 dB	30 dB
Front to back ratio	25 dB	25 dB
Ambient Temperature	50 °C	50 °C
Composite Power max	500 W	500 W

Electrical remarks

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

	Port 1	Port 2
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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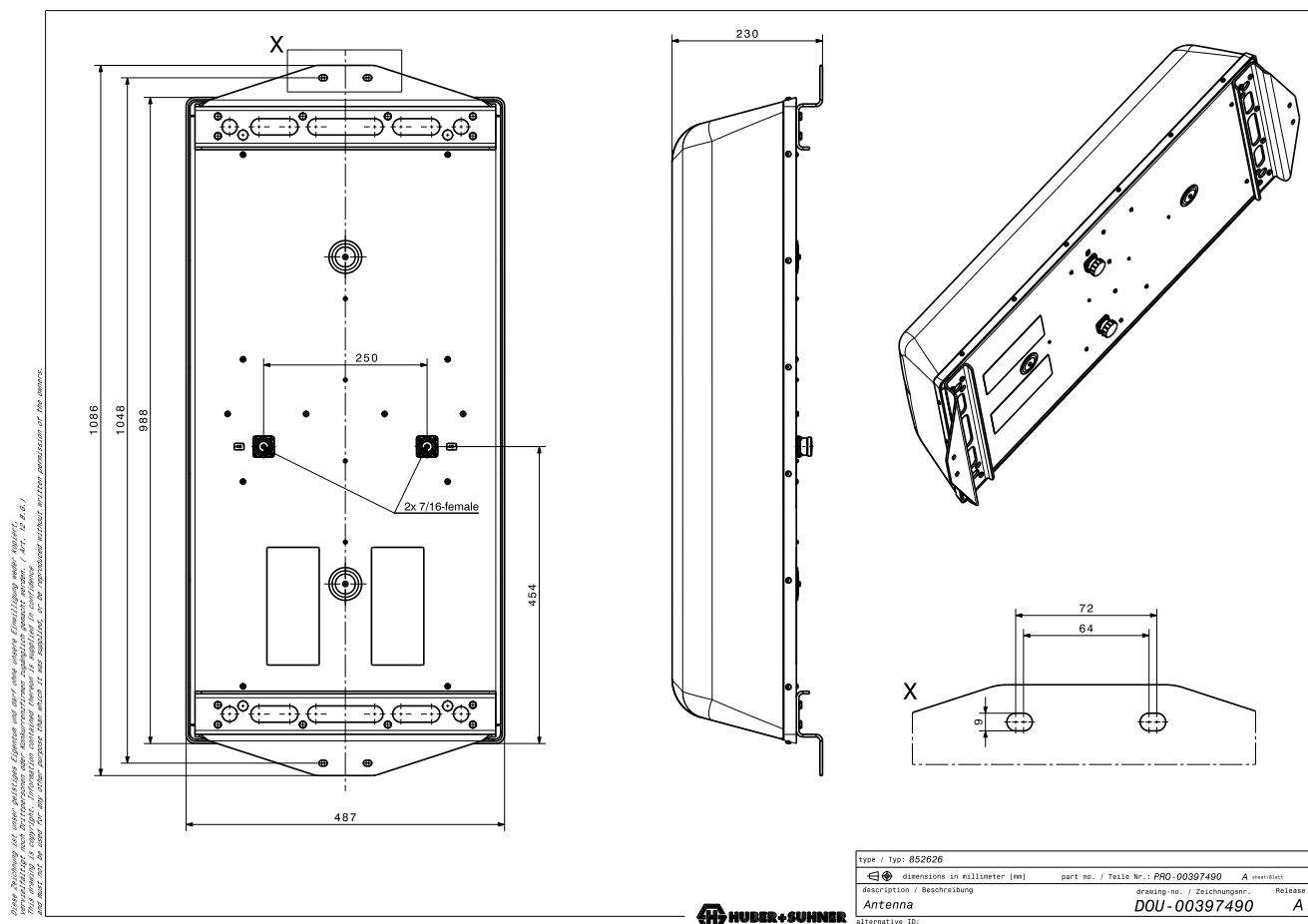
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Mechanical data	
Weight	12 kg
Dimensions	992 mm x 492 mm x 190 mm (Height x Width x Depth)
Remarks	Windload- frontal: 500 N at 150 km/h, lateral:220 N at 150 km/h , Wind speed survival: 200 km/h
	Material: Reflector screen: Weather-proof aluminum. 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.
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
Environmental data	
Environment (application)	Outdoor



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Outline drawing

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