

SENCITY® SC Panel

852627

Properties

- 2-Port Panel Antenna
- Frequency range from 380 to 500 MHz.
- Gain of 15 dBi with dual slant +/-45° polarization
- Half power beamwidth of 18° vertical and 65° horizontal
- 7/16 connector interface



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	14.5 dBi	15 dBi
HPBW vertical	18 °	18 °
HPBW horizontal	65 °	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

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

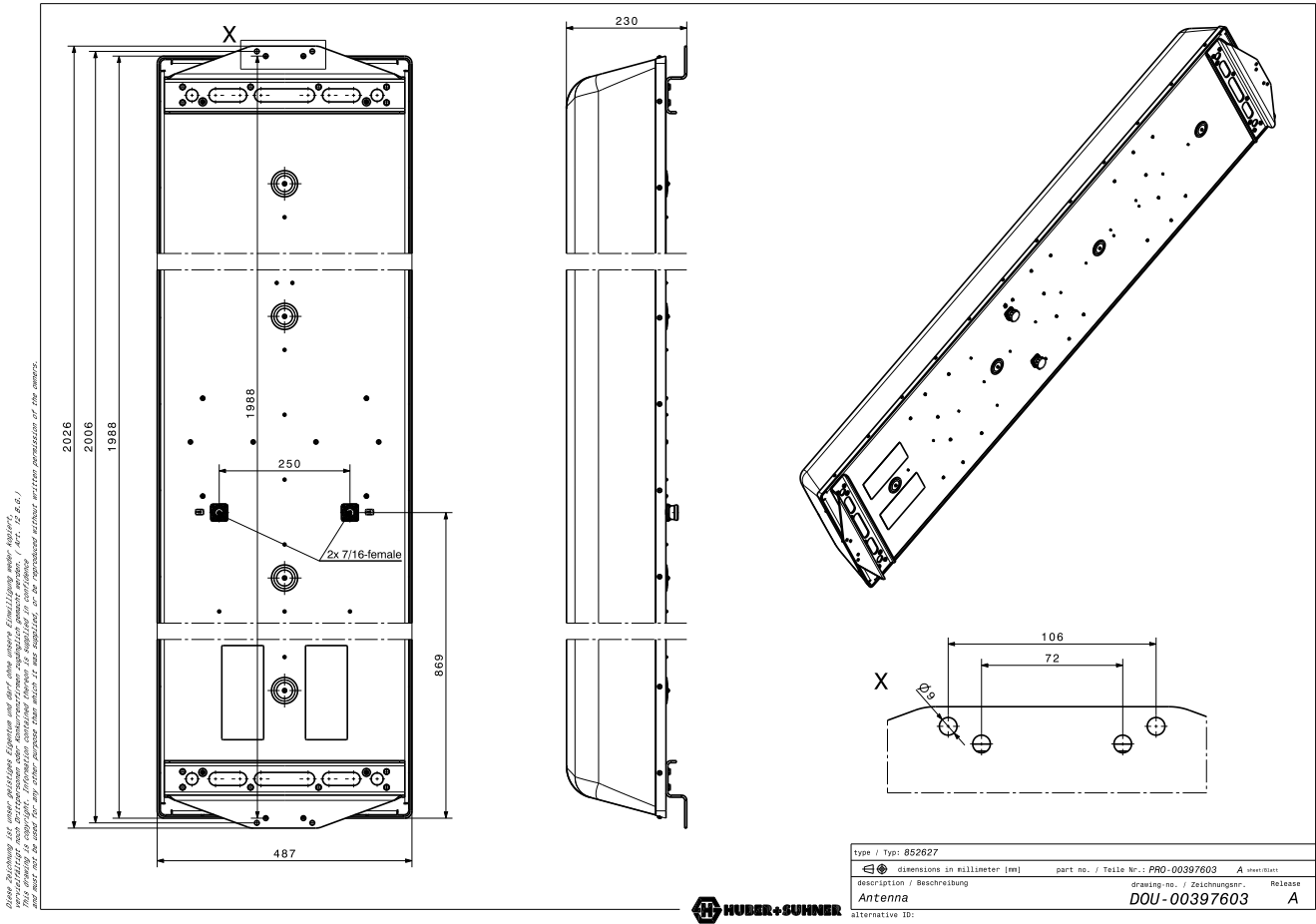
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Connections	
Band 2	✓
	✓
Mechanical data	
Weight	19 kg
Dimensions	2000 mm x 492 mm x 190 mm (Height x Width x Depth)
Windload	front: 1100 N at 150 km/h, lateral: 440 at 150 km/h, Wind Speed survival: 200 km/h
	Packing size (mm): 2080x523x252
Remarks	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	Aluminum
Back plate/base plate colour	Grey
Environmental data	
Environment (application)	Outdoor

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Outline drawing



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