DATA SHEET

SENCITY® Urban 200 MIMO 2x2 antenna

1399.17.0250

Properties

- Directional antenna for Cellular bands between 1695 MHz and 4200 MHz
- Gain of 5 dBi with dual slant +/-45° polarisation
- Half power beamwidth of 100° (vertical) and 110° (Horizontal)
- Wall bracket is included. Pole bracket is sold as separate item (9091.99.0274)
- N female connector



Electrical bands				
	Band 1	**Band 2**	**Band 3**	**Band 4**
Name	Cellular	Cellular	Cellular	Cellular
Frequency	1695 MHz ... 1920 MHz	1920 MHz ... 2180 MHz	2300 MHz ... 2690 MHz	3300 MHz ... 3800 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	2	2	2	2
Gain	5.7 dBi	4.8 dBi	5 dBi	5.9 dBi
HPBW vertical	105 °	120 °	95 °	65 °
HPBW horizontal	100 °	120 °	100 °	110 °
Isolation between Ports	20 dB	20 dB	18 dB	20 dB
Front to back ratio	11 dB	11 dB	11 dB	15 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	125 W	125 W	110 W	95 W
Co/Crosspolar Ratio	27 dB	22 dB	14 dB	15 dB

	Band 5
Name	Cellular
Frequency	3800 MHz ... 4200 MHz
Impedance	50 Ω
VSWR	2
Gain	4.9 dBi
HPBW vertical	85 °
HPBW horizontal	120 °
Isolation between Ports	20 dB
Front to back ratio	12 dB
Ambient Temperature	25 °C
Composite Power max	90 W

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	Band 5
Co/Crosspolar Ratio	19 dB

Electrical remarks	
IMD level	-150 dBc at carrier power 2x 43 dBm
Remarks	In the frequency range 4-4.2GHz Isolation better than 17dB

Ports		
	Cellular	Cellular
Port name	Port 1	Port 2
Connector	N, jack (female)	N, jack (female)
Polarization	+45° slant	-45° slant
DC grounded	No	No

Connections		
Port number	Cellular	Cellular
Band 1	✓	✓
Band 2	✓	✓
Band 3	✓	✓
Band 4	✓	✓
Band 5	✓	✓

Mechanical data	
Weight	0.5 kg
Dimensions	184.8 mm x 164.6 mm x 84.2 mm (Heigth x Width x Depth)

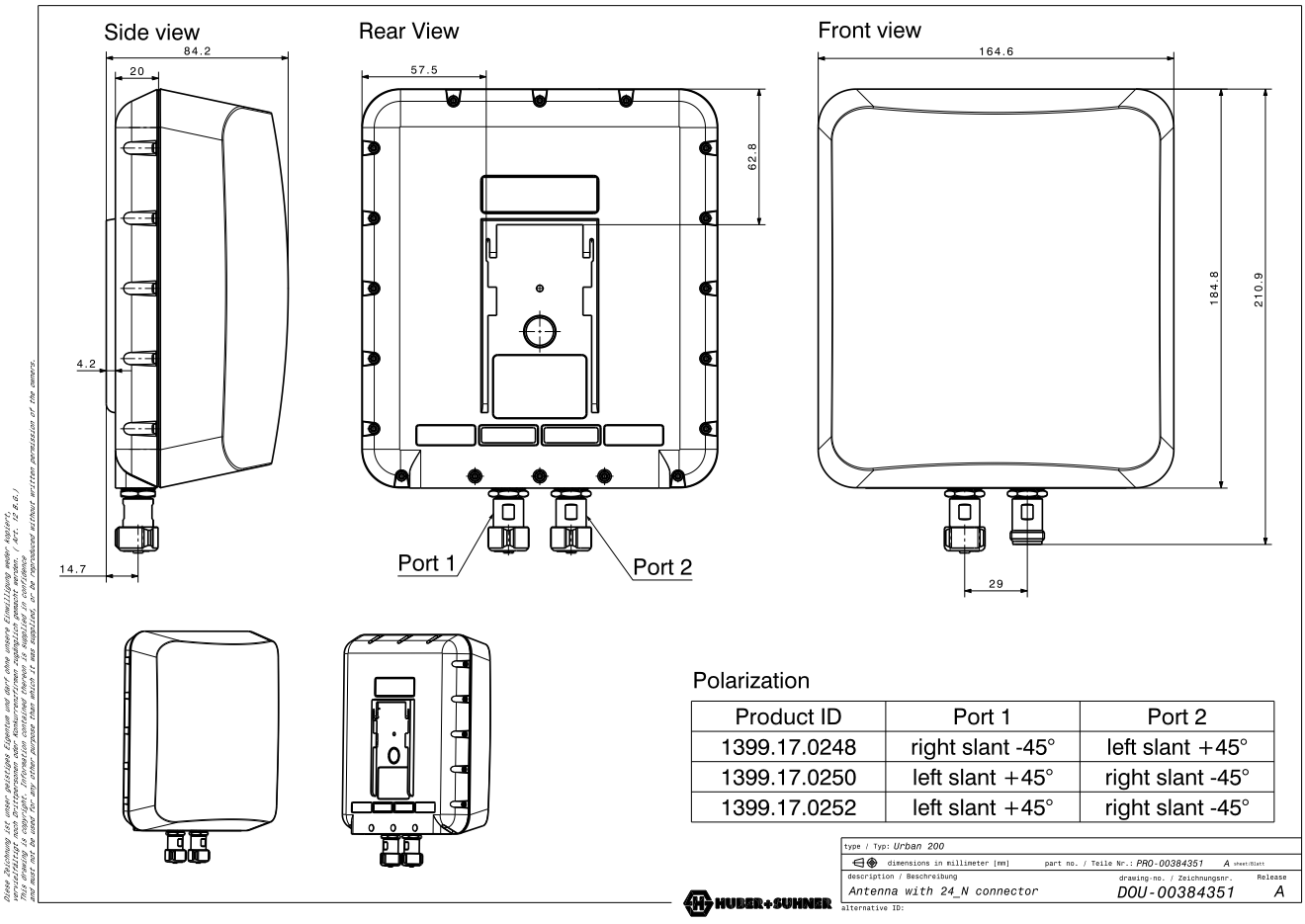
Interface and material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 7035 (light-grey)

Environmental data	
Operation temperature	-40 °C ... 70 °C
Storage temperature	-40 °C ... 70 °C
Transport temperature	-40 °C ... 70 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP66
Flammability rating	UL 94-V0

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Outline drawing



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