

SENCITY® Urban 200 MIMO 2x2 antenna

1399.17.0250

Properties

- Directional antenna for Cellular bands between 1695 MHz and 4200 MHz
- Low PIM
- N female connector
- Wall bracket is included. Pole bracket is sold as separate item (9091.99.0274)



Electrical bands				
	Band 1	Band 2	Band 3	Band 4
Frequency	1695 MHz ... 1920 MHz	1920 MHz ... 2180 MHz	2300 MHz ... 2690 MHz	3300 MHz ... 3800 MHz
VSWR	2	2	2	2
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
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
Frequency	3800 MHz ... 4200 MHz
VSWR	2
Impedance	50 Ω
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
Co/Crosspolar Ratio	19 dB

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

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

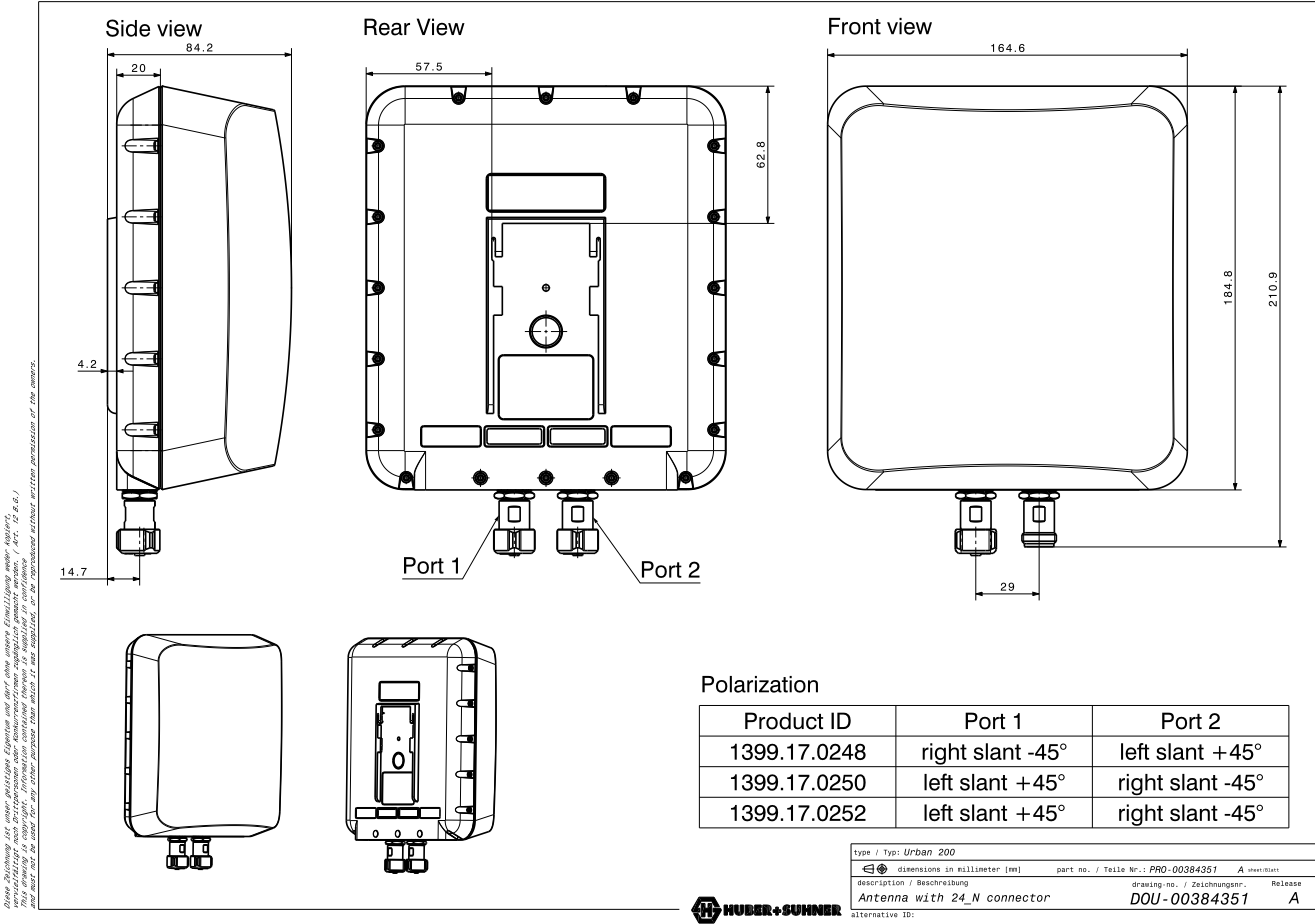
Mechanical data	
Weight	0.5 kg
Dimensions	184.8 mm x 164.6 mm x 84.2 mm (Height x Width x Depth)

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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