

SENCITY® Urban 200 MIMO 2x2 antenna

1399.32.0001

Properties

- Outdoor MIMO 2x2 directional antenna (1695-2690 and 3300-4200MHz) with: H-HPBW - 60° (3.3-4.2 GHz) - 70° (1.7-2.7 GHz)
- Low PIM
- Nex10 female connector



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	7.4 dBi	7.3 dBi	7.4 dBi	7.2 dBi
HPBW vertical	80 °	85 °	70 °	65 °
HPBW horizontal	75 °	75 °	70 °	65 °
Isolation between Ports	18 dB	20 dB	20 dB	17 dB
Front to back ratio	16 dB	15 dB	14 dB	20 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	80 W	80 W	65 W	55 W
Co/Crosspolar Ratio	19 dB	15 dB	15 dB	15 dB

	Band 5
Frequency	3800 MHz ... 4200 MHz
VSWR	2
Impedance	50 Ω
Gain	8.4 dBi
HPBW vertical	50 °
HPBW horizontal	65 °
Isolation between Ports	19 dB
Front to back ratio	20 dB
Ambient Temperature	25 °C
Composite Power max	55 W
Co/Crosspolar Ratio	17 dB

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Electrical remarks	
IMD level	-150 dBc at carrier power 2x 43 dBm
Remarks	In the frequency range 1.71-1.715 GHz VSWR < 2.1:1

Ports		
	Port 1	Port 2
Port name	Port 1	Port 2
Connector	NEX10, jack (female)	NEX10, 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	✓	✓

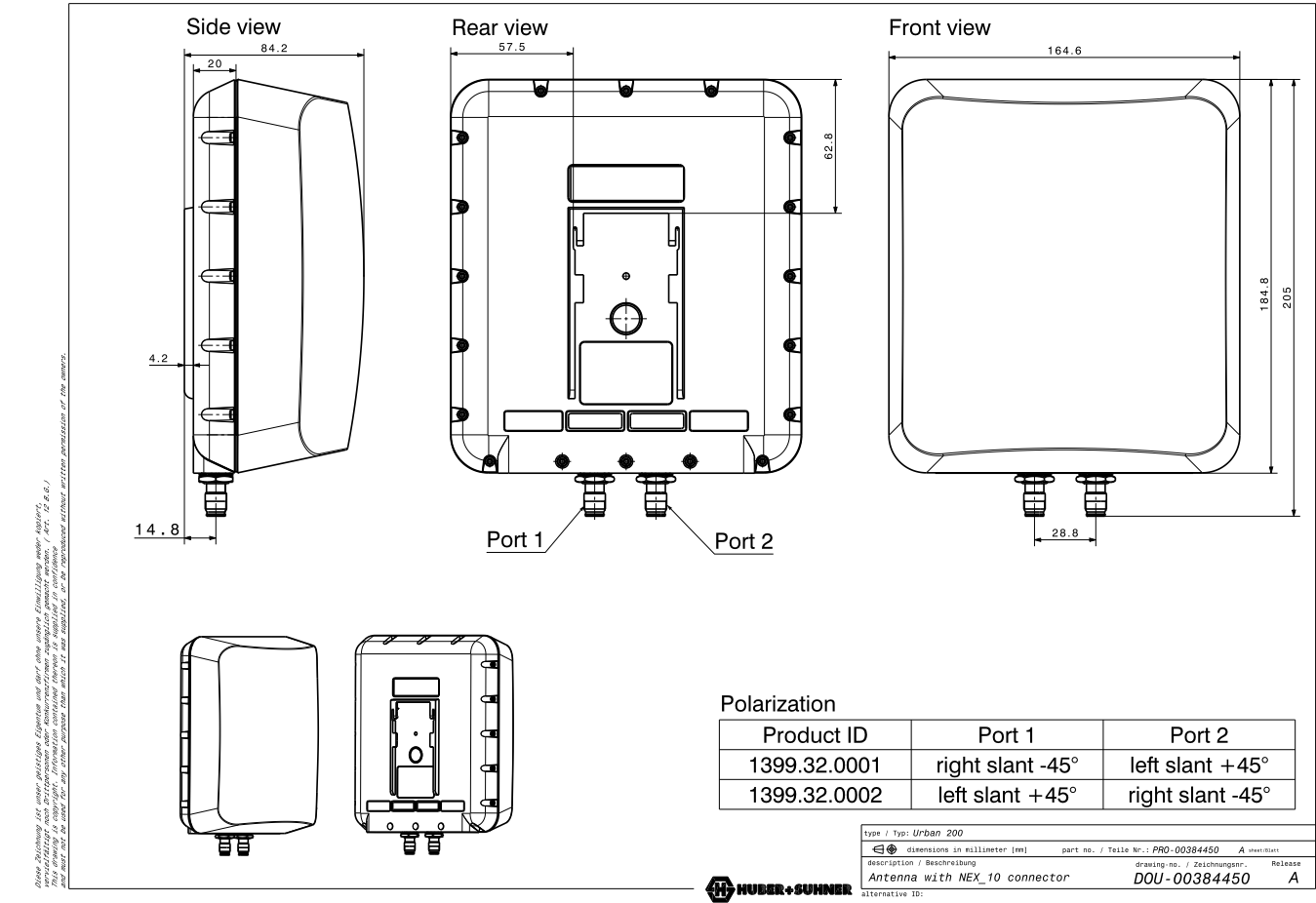
Mechanical data	
Weight	0.623 kg
Dimensions	184.8 mm x 164.6 mm x 84.2 mm (Height x Width x Depth)

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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