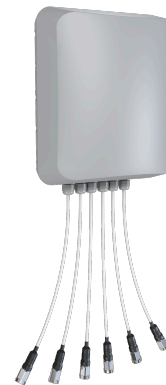


**SENCITY® Urban 200**

1399.31.0273

**Properties**

- Supports 4G Cellular Bands from 1.7 GHz till 2.7 GHz and 5G Cellular Bands from 3.4 GHz till 4.2 GHz in 4x4 MIMO configuration
- Gain 7dBi
- Half power beamwidth of 85° (vertical) and 70° (Horizontal) in 4G Bands. Half power beamwidth of 85° (vertical) and 80° (Horizontal) in 5G Bands.
- Plenum rated cable terminated with 4310 male connector



Electrical data				
	Band 1	Band 2	Band 3	Band 4
Name	Cellular 1	Cellular 2	Cellular 3	Cellular 4
Frequency	1710 MHz ... 1880 MHz	1920 MHz ... 2170 MHz	2500 MHz ... 2700 MHz	3400 MHz ... 3600 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	2	1.5	1.9	1.5
Gain	7 dBi	7 dBi	6.5 dBi	6 dBi
HPBW vertical	85 °	85 °	85 °	85 °
HPBW horizontal	70 °	70 °	70 °	80 °
Isolation between Ports	20 dB	20 dB	20 dB	18 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	45 W	42 W	40 W	18 W

	Band 5
Name	Cellular 5
Frequency	3800 MHz ... 4200 MHz
Impedance	50 Ω
VSWR	1.6
Gain	5 dBi
HPBW vertical	85 °
HPBW horizontal	80 °
Isolation between Ports	18 dB
Ambient Temperature	25 °C

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	<b>Band 5</b>
Composite Power max	16 W

**Electrical remarks**

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

	Port 1	Port 2	Port 3	Port 4
Port name	Cellular	Cellular	Cellular	Cellular
Connector	4.3-10, straight, male	4.3-10, straight, male	4.3-10, straight, male	4.3-10, straight, male
Cable type	sucoform_122-LA-CU-CMP	sucoform_122-LA-CU-CMP	sucoform_122-LA-CU-CMP	sucoform_122-LA-CU-CMP
Cable length	1 m	1 m	1 m	1 m
Polarization	+45° slant	-45° slant	+45° slant	-45° slant
DC grounded	No	No	No	No

	Port 5	Port 6
Port name	Cellular	Cellular
Connector	4.3-10, straight, male	4.3-10, straight, male
Cable type	sucoform_122-LA-CU-CMP	sucoform_122-LA-CU-CMP
Cable length	1 m	1 m
Polarization	+45° slant	-45° slant
DC grounded	No	No

**Connections**

	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6
Port name	Cellular	Cellular	Cellular	Cellular	Cellular	Cellular
Band 1			✓	✓		
Band 2			✓	✓		
Band 3			✓	✓		
Band 4	✓	✓			✓	✓
Band 5	✓	✓			✓	✓

**Mechanical data**

Weight	0.8 kg
Dimensions	184.8 mm x 164.6 mm x 84.2 mm (Height x Width x Depth)

**Material data**

Radome material	PC (Polycarbonate)
Radome colour	RAL 7035 (light gray)

**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)	Mated / IP 66 / IP 67

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