

## SENCITY® Urban 200 1399.17.0250

### Description

Outdoor MIMO 2x2directional antenna (1695-2690 and 3300-4200MHz) with:  
 H-HPBW  
 110° (1.7-2.7 GHz)  
 110° (3.3-4.2 GHz)  
 Low PIM  
 With N connectors



### Product Configuration

### Technical Data

#### Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	1695 - 1920	1920 - 2180	2300 - 2690	3300 - 3800
VSWR	2	2	2	2
Impedance (Ohm)	50	50	50	50
Gain (dBi)	5.7	4.8	5	5.9
3dB beamwidth (h) (°)	100	120	100	110
3dB beamwidth (v) (°)	105	120	95	65
Composite power max (W)	125	125	110	95
Ambient temperature (°C)	25	25	25	25
Front to back ratio (dB)	11	11	11	15
Co/Crosspolar ratio (dB)	27	22	14	15
Port Isolation (dB)	20	20	18	20

  

	Band 5
Frequency (MHz)	3800 - 4200
VSWR	2
Impedance (Ohm)	50
Gain (dBi)	4.9
3dB beamwidth (h) (°)	120
3dB beamwidth (v) (°)	85
Composite power max (W)	90
Ambient temperature (°C)	25
Front to back ratio (dB)	12
Co/Crosspolar ratio (dB)	19
Port Isolation (dB)	20

#### Ports

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

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### Connections

	Band 1	Band 2	Band 3	Band 4	Band 5
Port 1	X	X	X	X	X
Port 2	X	X	X	X	X

### General Data

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

In the frequency range 4-4.2GHz Isolation better than 17dB

### Mechanical Data

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

### Environmental Data

Environmental conditions indoor/outdoor  
Operation temperature (°C) -40 to 70  
Storage temperature (°C) -40 to 70  
Transport temperature (°C) -40 to 70  
IP rating IP66  
Flammability rating UL 94-V0  
2011/65/EU (RoHS - including 2015/863 and 2017/2102) compliant  
Lead-free soldered yes  
WEEE 2012/19/EU special marking needed  
REACH 1907/2006/EC compliant

### Material Data

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

### Related Products

9091.99.0274 SENCITY® Antenna down- and sidetilt Bracket

### Related Documents

Painting instruction DOC-0000256180  
Security instruction DOC-0000278984  
Outline drawing DOU-00384351

### Additional Information

