

## SENCITY® Urban 200 1399.17.0248

### Description

Outdoor MIMO 2x2 directional antenna (1695-2690 and 3300-4200MHz) with:  
 H-HPBW  
 70° (1.7-2.7 GHz)  
 65° (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)               | 7.4         | 7.3         | 7.4         | 7.2         |
| 3dB beamwidth (h) (°)    | 75          | 75          | 70          | 65          |
| 3dB beamwidth (v) (°)    | 80          | 85          | 70          | 65          |
| Composite power max (W)  | 125         | 125         | 110         | 95          |
| Ambient temperature (°C) | 25          | 25          | 25          | 25          |
| Front to back ratio (dB) | 16          | 15          | 14          | 20          |
| Co/Crosspolar ratio (dB) | 19          | 15          | 15          | 15          |
| Port Isolation (dB)      | 18          | 20          | 20          | 17          |

  

|                          | Band 5      |
|--------------------------|-------------|
| Frequency (MHz)          | 3800 - 4200 |
| VSWR                     | 2           |
| Impedance (Ohm)          | 50          |
| Gain (dBi)               | 8.4         |
| 3dB beamwidth (h) (°)    | 65          |
| 3dB beamwidth (v) (°)    | 50          |
| Composite power max (W)  | 90          |
| Ambient temperature (°C) | 25          |
| Front to back ratio (dB) | 20          |
| Co/Crosspolar ratio (dB) | 17          |
| Port Isolation (dB)      | 19          |

##### 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

### Mechanical Data

Dimensions (mm) 184.8 x 164.6 x 84.2 (Height x Width x Depth)

### 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  
 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

