

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 data | | | | |
|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 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 |
| Impedance | 50 Ω | 50 Ω | 50 Ω | 50 Ω |
| VSWR | 2 | 2 | 2 | 2 |
| 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 |
| Co/Crosspolar Ratio | 19 dB | 15 dB | 15 dB | 15 dB |
| Ambient Temperature | 25 °C | 25 °C | 25 °C | 25 °C |
| Composite Power max | 80 W | 80 W | 65 W | 55 W |

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

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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 1 | Port 2 |
| Port name | 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) |

| 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 |

| Antenna accessories | | |
|---------------------|-------------|---|
| Item description | Item number | Product name |
| 9091.99.0274 | 85113372 | SENCITY® Antenna down- and sidetilt Bracket |

| Ordering information | | |
|----------------------|-------------|-------------------------------------|
| Item description | Item number | Product name |
| 1399.32.0001 | 85117564 | SENCITY® Urban 200 MIMO 2x2 antenna |

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