

SENCITY® Urban 200 1399.32.0002

Description

Outdoor MIMO 2x2 directional antenna (1695 - 2690 and 3410 - 4200MHz) with:
 H-HPBW
 110° (1.7 - 2.7 GHz)
 110° (3.3 - 4.2 GHz)
 Low PIM
 With NEX10 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) | 80 | 80 | 65 | 55 |
| 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) | 55 |
| 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 | NEX10, jack (female) | NEX10, 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 >18dB

Mechanical Data

Dimensions (mm) 184.8 x 164.6 x 84.2 (Height x Width x Depth)
Weight (kg) 0.715

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 SPOT-S Antenna Down- and Sidetilt Bracket

Related Documents

Painting instruction DOC-0000256180
Security instruction DOC-0000278984
Outline drawing DOU-00384450
3D-model DOC-0000838994