

SENCITY® Road PUCK Antenna K7023211

Description

Bus and Tram rooftop antenna for 406-428 MHz.



Product Configuration

Technical Data

Electrical Data

| | Band 1 | Band 2 | Band 3 |
|--------------------------|-----------|-----------|-----------|
| Frequency (MHz) | 406 - 410 | 410 - 425 | 425 - 428 |
| VSWR | 1.9 | 1.7 | 1.9 |
| Impedance (Ohm) | 50 | 50 | 50 |
| Ambient temperature (°C) | 25 | 25 | 25 |

Ports

| | Port 1 |
|--------------|------------------|
| Port name | Tetra |
| Connector | N, jack (female) |
| Polarization | vertical |
| DC grounded | Yes |

Connections

| | Band 1 | Band 2 | Band 3 |
|--------|--------|--------|--------|
| Port 1 | X | X | X |

General Data

Indicated VSWR values are valid for a metallic ground plane of 1M x 1M or larger.

Mechanical Data

Dimensions (mm) 70 x 110 (Height x Diameter)110 x 110 (Diameter x Length)70 x 110 x 110 (Height x Width x Depth)
Weight (kg) 0.4

Radiator and base: Aluminum.

Radome: High impact plastic.

All screws and nuts: Stainless steel.

All metall parts of this antenna are DC grounded.

Robust and car-wash proof vehicular antenna.

Packaging size (outside): 117 x 117 x 114 mm

Environmental Data

Environmental conditions outdoor
Operation temperature (°C) -40 to 85
Storage temperature (°C) -55 to 85
IP rating IP56

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| | |
|---|-----------|
| Flammability rating | ECE-R118 |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant |
| REACH 1907/2006/EC | compliant |

ECE-R118 for rooftop installation only.

Material Data

| | |
|--------------------------------|-----------|
| Radome colour | grey |
| Back plate/base plate colour | black |
| Back plate/base plate material | Aluminium |

Related Documents

| | |
|----------------------|----------------|
| Mounting instruction | DOC-0000864406 |
| Painting instruction | DOC-0000256180 |
| Security instruction | DOC-0000278984 |
| Outline drawing | DOU-00394038 |
| 3D-model | DOC-0000864402 |

Additional Information

The drilling diameter is 12 mm except the N connector versions: 17 mm. A special zinc washer ensures a good contact at the edges of the hole.