

## Sencity Special Communication Antenna K8134322

### Description

Vehicle Antenna  
Frequency Range 406-428 MHz  
Bus and Tram  
Gain dB 0 (ref. to the quarter-wave antenna)



### Product Configuration

### Technical Data

#### Electrical Data

|                          | Band 1    | Band 2    | Band 3    |
|--------------------------|-----------|-----------|-----------|
| Band Name                | Tetra     | Tetra     | Tetra     |
| Frequency (MHz)          | 406 - 410 | 410 - 425 | 425 - 428 |
| VSWR                     | 1.9       | 1.7       | 1.9       |
| Impedance (Ohm)          | 50        | 50        | 50        |
| Composite power max (W)  | 50        | 50        | 50        |
| Ambient temperature (°C) | 50        | 50        | 50        |

#### 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

Requires mounting on a conductive surface 70 x 70 cm / 27.6 x 27.6 inches minimum.

#### 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.  
Extreme robust and car-wash proof vehicular antenna.

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

#### Environmental Data

Environmental conditions outdoor

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|                                                         |           |
|---------------------------------------------------------|-----------|
| Operation temperature (°C)                              | -40 to 85 |
| Storage temperature (°C)                                | -55 to 85 |
| 2011/65/EU (RoHS - including<br>2015/863 and 2017/2102) | compliant |
| REACH 1907/2006/EC                                      | compliant |

### Material Data

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

### Related Documents

|                      |                |
|----------------------|----------------|
| Mounting instruction | DOC-0000871168 |
| Security instruction | DOC-0000278984 |
| Outline drawing      | DOU-00397292   |

### 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.

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