## **Data Sheet**



# Sencity Special Communication Antenna K8134321

#### **Description**

Vehicle Antenna

Frequency range 406-428 MHz

**Bus and Tram** 

Gain dB 0 (ref. to the quarter-wave antenna)

Please Note: the M11 interface is moving towards obsolescence, it is recommended to use K8134322 with N connector for new projects.



### **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
Composite power max (W)	50	50	50
Ambient temperature (°C)	50	50	50

#### **Ports**

	Port 1
Connector	M, 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 (Heigth 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
Operation temperature (°C) -40 to 85
Storage temperature (°C) -55 to 85

## **Data Sheet**



# **Sencity Special Communication Antenna** K8134321

2011/65/EU (RoHS - including 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** 

Painting instruction DOC-0000256180
Security instruction DOC-0000278984
Outline drawing DOU-00389243

#### **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.

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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