

## Sencity Road Antenna K7023230

### Description

Bus and Tram rooftop antenna for 440-470 MHz.

Please Note: the M11 interface is moving towards obsolescence, it is recommended to use K7023231 with N connector for new projects.



### Product Configuration

#### Technical Data

##### Electrical Data

	Band 1	Band 2	Band 3
Frequency (MHz)	440 - 450	450 - 465	465 - 470
VSWR	1.7	1.5	1.7
Impedance (Ohm)	50	50	50
Ambient temperature (°C)	25	25	25

##### Ports

	Port 1
Port name	Tetra
Connector	M, 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

## Sencity Road Antenna K7023230

2011/65/EU (RoHS - including  
2015/863 and 2017/2102)  
REACH 1907/2006/EC

compliant

compliant

### Material Data

Radome colour  
Back plate/base plate colour  
Back plate/base plate material

grey  
black  
Aluminium

### Related Documents

Mounting instruction	DOC-0000864522
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00394049
3D-model	DOC-0000864468

### 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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