

SENCITY® Road PUCK Antenna K7023231

Description

Bus and Tram rooftop antenna for 440-470 MHz.



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	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)	-40 to 85
Transport temperature (°C)	-40 to 85

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IP rating	IP56
Flammability rating	ECE-R118
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
WEEE 2012/19/EU	no special marking needed
ELV 2000/53/EC	compliant
REACH 1907/2006/EC	compliant

ECE-R118 for rooftop installation only.

Material Data

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

Related Documents

Mounting instruction	DOC-0000864406
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00393996
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.