

Sencity Rail Antenna K702121

Description

Railway rooftop antenna for 450-470 MHz.
Rugged design, meets EN 50155 railway standard.
Fire retardant acc. to EN 45545-2.
Works also on non-metallic surfaces.



Product Configuration

Technical Data

Electrical Data

Band 1	
Band Name	Tetra
Frequency (MHz)	450 - 470
VSWR	1.6
Impedance (Ohm)	50
Gain (dBi)	3
Ambient temperature (°C)	25

Ports

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

Connections

Band 1	
Port 1	X

General Data

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

Mechanical Data

Dimensions (mm) 355 x 145 x 80 (Height x Width x Depth)
Weight (kg) 0.8

Flange: Aluminum.

Radiator: Copper.

Radome: Fiberglass Colour: Light grey.

All screws and nuts: Stainless steel.

Sealing: Neoprene and EPDM.

Packaging size (outside): 151 x 90 x 415 mm

Environmental Data

Environmental conditions outdoor
Operation temperature (°C) -40 to 85

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Storage temperature (°C)	-40 to 85
IP rating	IP66
Flammability rating 2011/65/EU (RoHS - including 2015/863 and 2017/2102)	EN 45545-2 compliant
Lead-free soldered	yes
WEEE 2012/19/EU REACH 1907/2006/EC	no special marking needed compliant

Environmental tests: EN 50155:2018-05

Flammability rating: EN 45545-2.

Material Data

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

Related Documents

Mounting instruction	DOC-0000864558
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00394109
3D-model	DOC-0000864584