

SENCITY® Rail Antenna
741009

Properties

- Railway rooftop antenna for GSM-R (870-960 MHz)
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant acc. to EN 45545-2
- Contains a heavy-duty fiberglass radome
- Works also on non-metallic surfaces



Electrical data	
	Band 1
Name	GSM-R
Frequency	870 MHz ... 960 MHz
Impedance	50 Ω
VSWR	1.5
Gain	4.5 dBi
Ambient Temperature	25 °C
Electrical remarks	
Remarks	Indicated VSWR values are valid for a metallic ground plane of 0.5M x 0.5M or larger.
Ports	
	Port 1
Port name	GSM-R
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes
Connections	
	Port 1
Port name	GSM-R
Band 1	

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Mechanical data	
Weight	0.5 kg
Dimensions	95 mm x 145 mm x 82 mm (Height x Width x Depth)
	Wind load: frontal: 1.5 N at 600 km/h, lateral: 0.4 N at 600 km/h
	Packaging size (outside): 137 x 92 x 174 mm
Remarks	Radiator: Brass. Flange: Aluminum. All screws and nuts: Stainless steel. Sealing: Neoprene and nitrile rubber.

Material data	
Radome material	Fiberglass
Radome colour	Grey
Back plate/base plate material	Aluminum
Back plate/base plate colour	Black

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Environment (application)	Outdoor
Ingress protection (IP Rating)	Mated / IP66
Flammability rating	EN 45545-2

Environmental remarks	
Environmental tests: EN 50155:2018-05	

Ordering information		
Item description	Item number	Product name
741009	84460303	SENCITY® Rail Antenna

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