

SENCITY® Rail Antenna

K702061

Properties

- Railway rooftop multiband antenna for 450-470 MHz and 790-960 MHz
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant according to EN 45545-2
- Contains a heavy duty fibreglass radome

**Electrical bands**

	Band 1	Band 2
Frequency (MHz)	450 MHz ... 470 MHz	790 MHz ... 960 MHz
Impedance	50 Ω	50 Ω
VSWR	1.4	1.5
Gain (dBi)	4 dBi	3.5 dBi
Ambient Temperature	25 °C	25 °C

Electrical remarks

Remarks	Indicated VSWR values are valid for a metallic ground plane of 0.5M x 0.5M or larger
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Ports

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

Connections

Port number	
Band 1	✓
Band 2	✓

HYPERFRÉQUENCES

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Mechanical data	
Weight	0.5 kg
Dimensions	142 mm x 145 mm x 80 mm (Height x Width x Depth)
Remarks	Radiator and Flange: Aluminum. Radome: Fiberglass, colour: Light grey. All screws and nuts: Stainless steel. Sealing: Neoprene and rubber. This antenna, tested by an independent institute, is DC grounded to protect against lightning and short circuit from high voltage lines. Packaging size (outside): 151 x 87 x 210 mm

Material data	
Radome colour	Grey
Back plate/base plate material	Aluminium
Back plate/base plate colour	Black
Housing material and surface treatment	Black

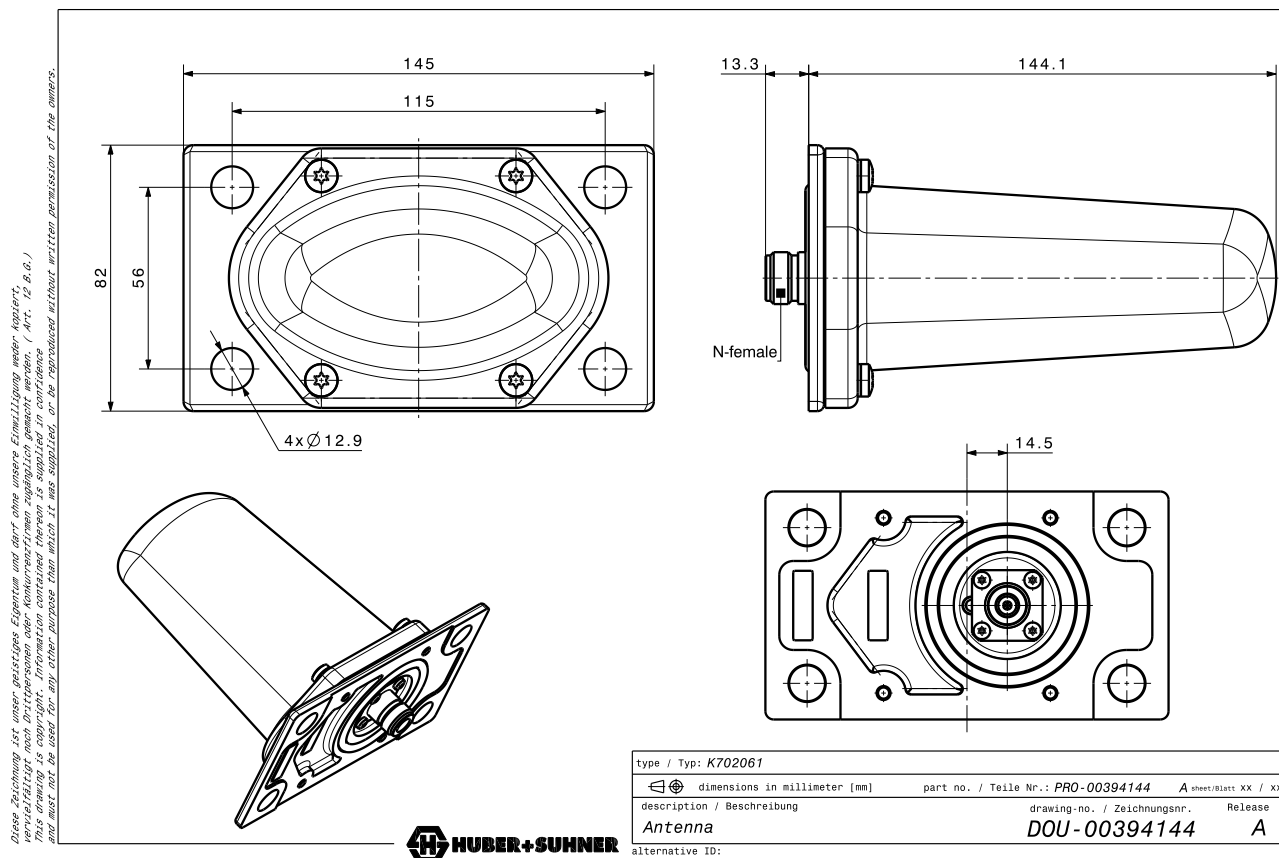
Environmental data	
Operation temperature	-40 °C ... 85°C
Storage temperature	-40 °C ... 85°C
Environment (application)	Outdoor
Ingress protection (IP Rating)	IP66
Flammability rating	EN 45545-2
Standards	Railway EN 50155
	Railway EN 45545

Environmental remarks	
Environmental tests: EN 50155:2018-05 Flammability rating: DIN 5510-2, UL94 HB, EN45545	



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Outline drawing

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