

SENCITY® Rail Antenna

K702061

Properties

- Railway rooftop multiband antenna for 450-470 MHz and 790-960 MHz
- Multiple Antenna installations support Cellular MIMO
- Works also on non-metallic surfaces
- The antenna can be operated in all frequency ranges simultaneously
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant according to EN 45545-2



Electrical bands		
	Band 1	Band 2
Frequency	450 MHz ... 470 MHz	790 MHz ... 960 MHz
Impedance	50 Ω	50 Ω
VSWR	1.4	1.5
Gain	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

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

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Connections	
Port name	Port 1
Band 1	Tetra/Cell
Band 2	✓
	✓

Mechanical data	
Weight	0.5 kg
Dimensions	142 mm x 145 mm x 80 mm (Height x Width x Depth)
	Packaging size (outside): 151 x 87 x 210 mm
Remarks	Radiator and Flange: Aluminum. 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.

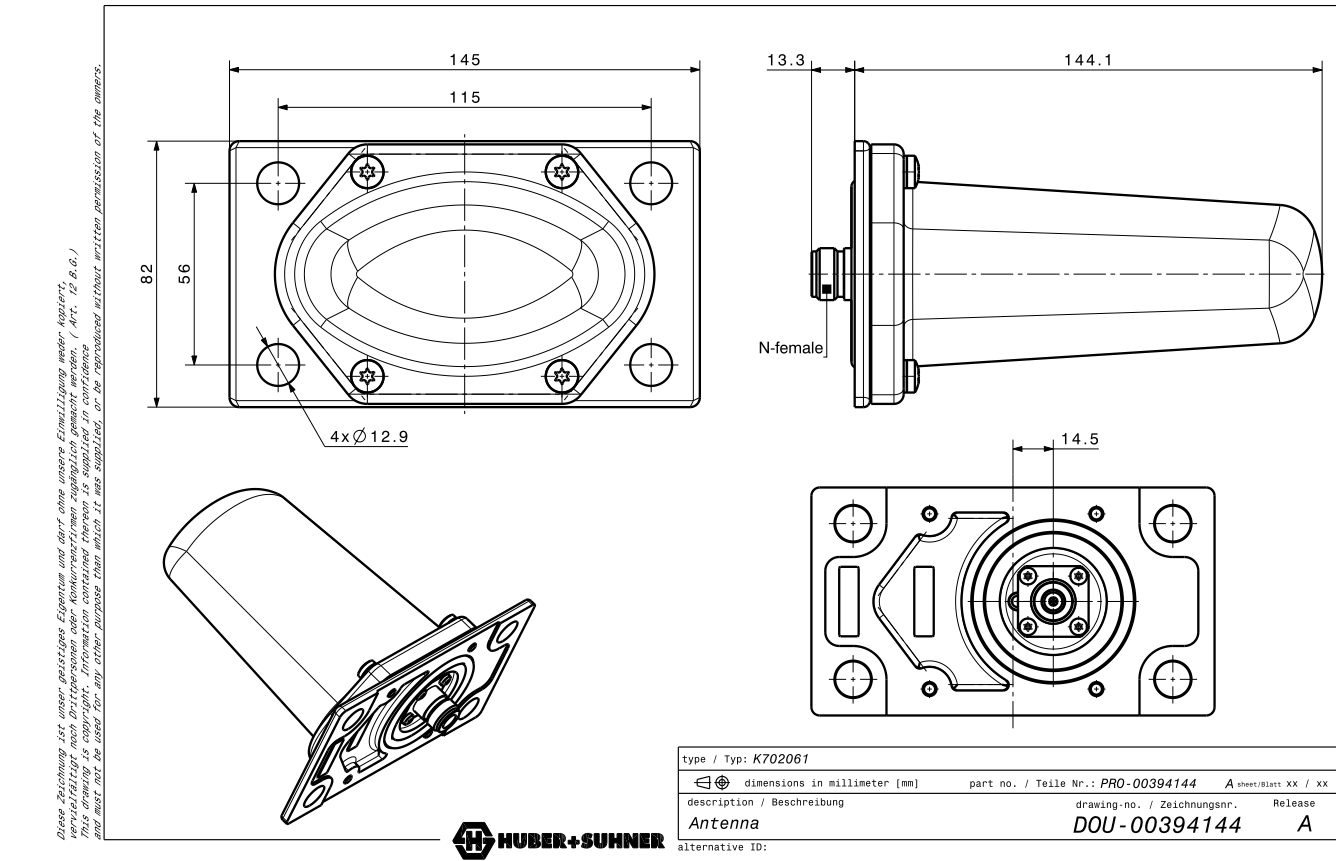
Interface and material data	
Radome material	Fiberglass
Radome colour	Grey
Back plate/base plate material	Aluminium
Back plate/base plate colour	Black

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	
Flammability rating: DIN 5510-2, UL94 HB, EN45545	

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Outline drawing



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