

SENCITY® Rail Antenna
741557

Properties

- Railway rooftop multi-band antenna for 380-400 MHz and 790-960 MHz
- The antenna can be operated in all frequency ranges simultaneously
- Multiple Antenna installations support Cellular MIMO
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant acc. to EN 45545-2
- Works also on non-metallic surfaces



Electrical bands		
	Band 1	Band 2
Frequency	380 MHz ... 400 MHz	790 MHz ... 960 MHz
VSWR	1.6	1.5
Impedance	50 Ω	50 Ω
Gain	3.5 dBi	4 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/Cellular
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

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Connections	
Port number	Port 1
Band 1	✓
Band 2	✓

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. 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 with high voltage lines.

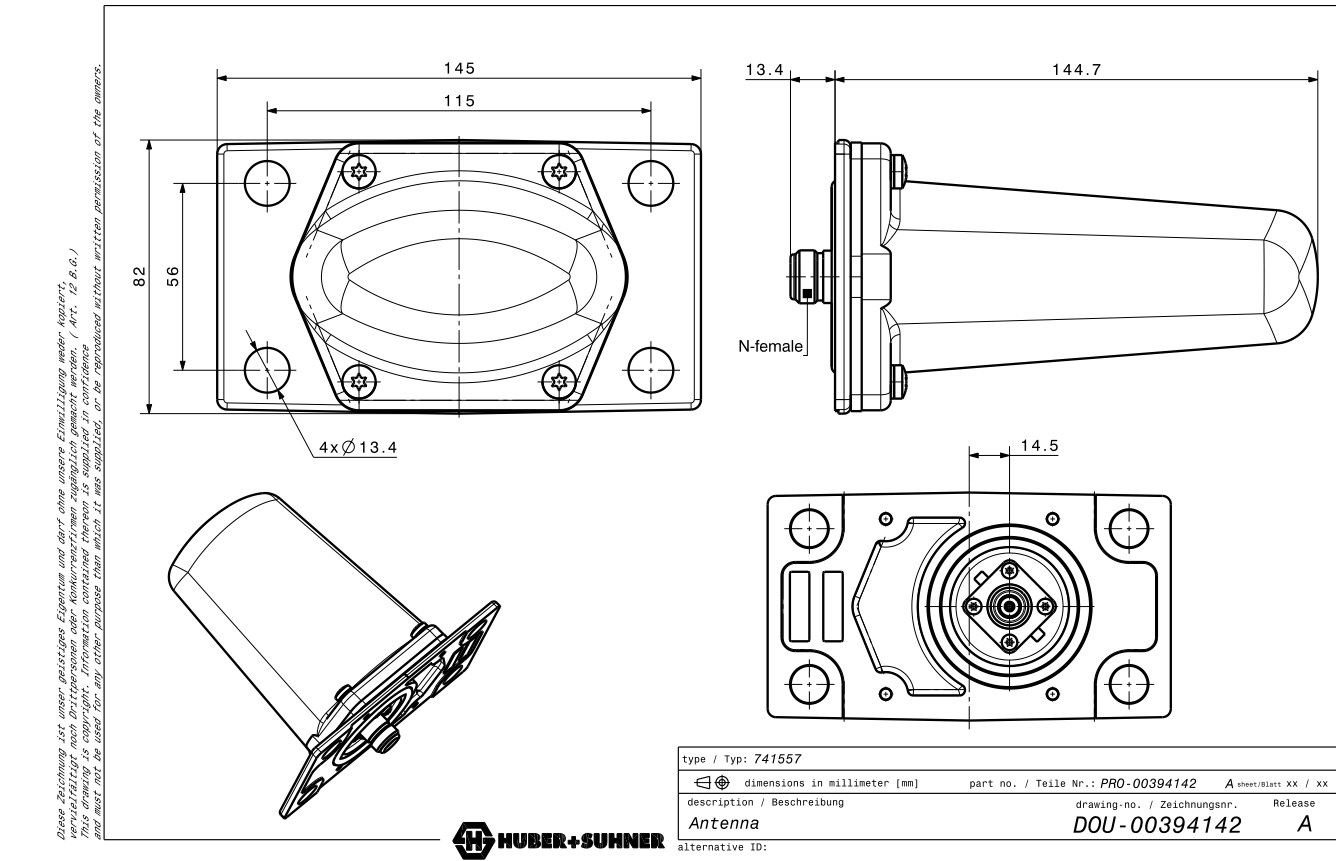
Interface and material data	
Radome material	Fiberglass
Radome colour	Grey
Back plate/base plate material	Aluminum
Back plate/base plate colour	Black

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

Environmental remarks	
Environmental tests: EN 50155:2007 Flammability rating: EN 45545-2	

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Outline drawing



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