

SENCITY® Rail Antenna

K702121

Properties

- Railway rooftop antenna for 450 to 470 MHz
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant according to EN 45545-2
- Contains a heavy-duty fiberglass radome
- Works also on non-metallic surfaces



Electrical bands

	Band 1
Name	Tetra
Frequency	450 MHz ... 470 MHz
Impedance	50 Ω
VSWR	1.6
Gain	3 dBi
Ambient Temperature	25 °C

Electrical remarks

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

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

Connections

	Port 1
Port name	Tetra
Band 1	✓

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Mechanical data	
Weight	0.8 kg
Dimensions	355 mm x 145 mm x 80 mm (Height x Width x Depth)
	Packaging size (outside): 151 x 90 x 415 mm
Remarks	Flange: Aluminum. Radiator: Copper. Sealing: Neoprene and EPDM.

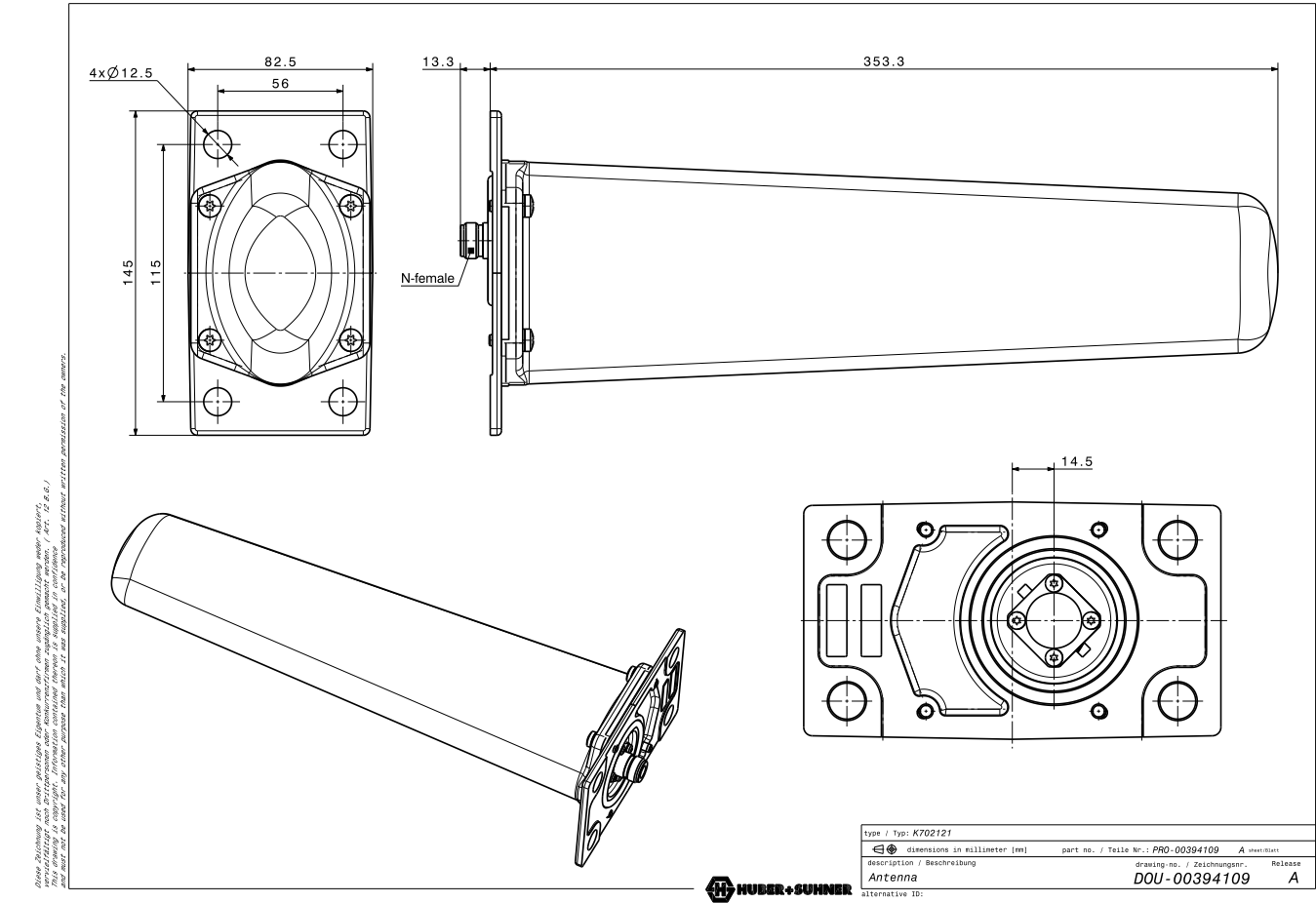
Interface and material data	
Radome material	Fiberglass
Radome colour	Grey
Back plate/base plate material	Aluminum
Back plate/base plate colour	Grey

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

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Outline drawing



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