

**SEN CITY® 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


**CE** **UK** **CA**
**Electrical bands**

|                     | <b>Band 1</b>       | <b>Band 2</b>       |
|---------------------|---------------------|---------------------|
| 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**

|              | <b>Port 1</b>    |
|--------------|------------------|
| Port name    | Tetra/Cellular   |
| Connector    | N, jack (female) |
| Polarization | vertical         |
| DC grounded  | Yes              |

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**Connections**

|             |                                     |
|-------------|-------------------------------------|
| Port number | Port 1                              |
| Band 1      | <input checked="" type="checkbox"/> |
| Band 2      | <input checked="" type="checkbox"/> |

**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.<br>All screws and nuts: Stainless steel.<br>Sealing: Neoprene and rubber.<br>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**

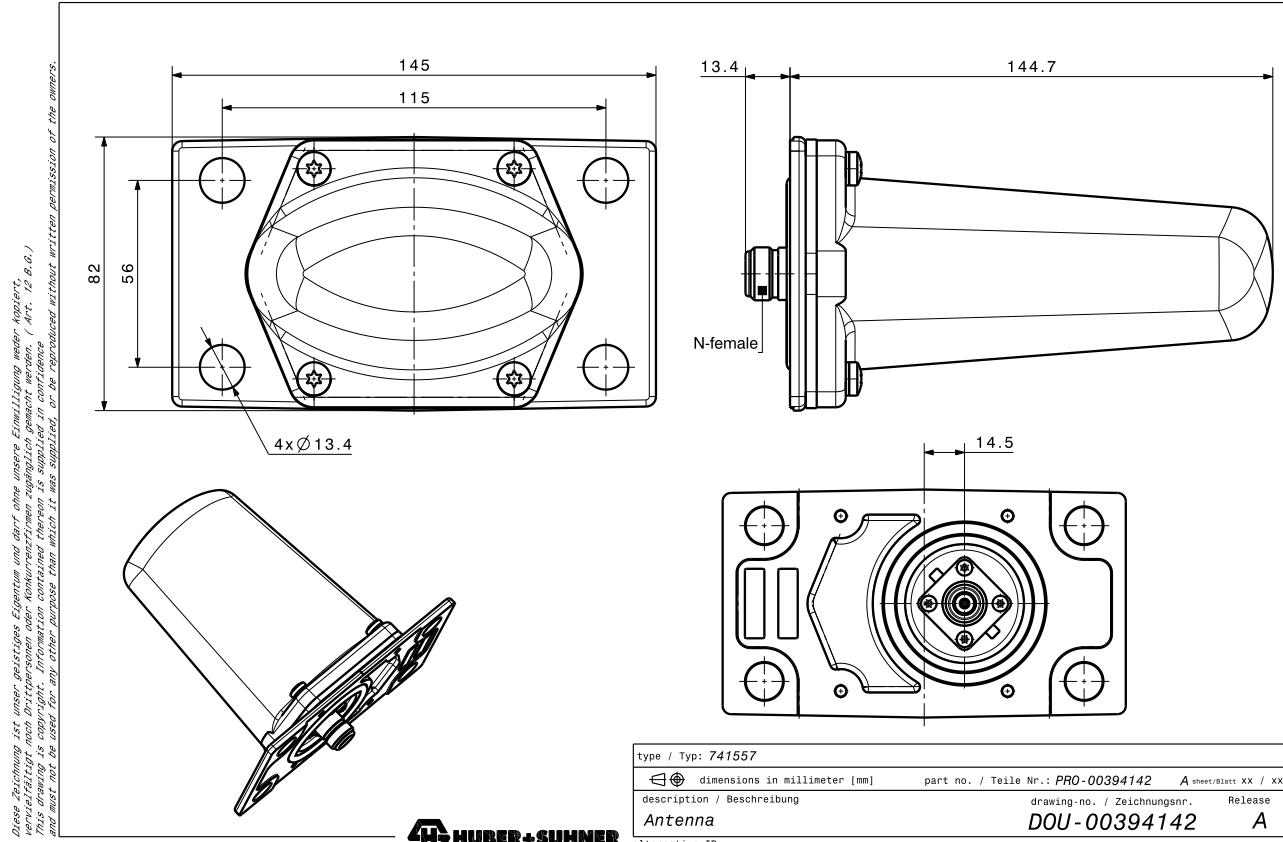
Environmental tests: EN 50155:2007

Flammability rating: EN 45545-2

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### Outline drawing



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