**Train Antenna 790 - 2700 MHz 87010007**

Antennen • Electronic

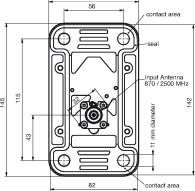
* Multi-band antenna: 800/900/1800/1900/UMTS/UMTS II/W-LAN.
* The antenna can be operated in all frequency ranges simultaneously.
* Low profile antenna in fiberglass radome.



* The antenna fulfils the requirements according to EN 50155.

Mounting flange:

85



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| --- | --- |
| Type No. | 87010007 |
| Antenna multi-band |  |
| Input | N female |
| Frequency range | 790 - 2700 MHz  790 - 806 MHz: < 2.2  806 - 870 MHz: < 2.0  870 - 2550 MHz: < 1.5  2550 - 2700 MHz: < 2.0 |
| VSWR |
|  |
| Gain | 0 dB (ref. to the quarter-wave antenna) |
| Impedance | 50 Q |
| Polarization | Vertical |
| Max. power | 100 W (at 50° C ambient temperature) |
| Inner conductor | D.C. grounded |
| Weight | approx. 0.5 kg |
| Packing size | 152 x 91 x 125 mm |
| Height | 81 mm |

Material: Radiator: Copper and brass.

Flange: Aluminum. Radome: Fiberglass.

All screws and nuts: Stainless steel.

Colour: Grey.

Mounting: On a conductive surface with a minimum size

of 50 x 50 cm using 4 M10 bolts.

Grounding and This antenna, tested by an independent institute

high voltage protection: and approved by the “Deutsche Bahn AG”, is

D.C. grounded to protect against lightning and high-tension lines.

Mounting hole for the connector: 33 mm (max. 35 mm)

Note: Mounting surface must be free from paint for electrical contact.

Evenness of opposite surface 0.2 mm.

Use a cap nut or hex-head screw plus the enclosed sealing washer.

