

# Train Antenna

## 790 – 2700 MHz

### 87010007

**KATHREIN**  
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.

Type No.	87010007
<b>Antenna multi-band</b>	
Input	N female
Frequency range	790 – 2700 MHz
VSWR	790 – 806 MHz: < 2.2 806 – 870 MHz: < 2.0 870 – 2550 MHz: < 1.5 2550 – 2700 MHz: < 2.0
Gain	0 dB (ref. to the quarter-wave antenna)
Impedance	50 Ω
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

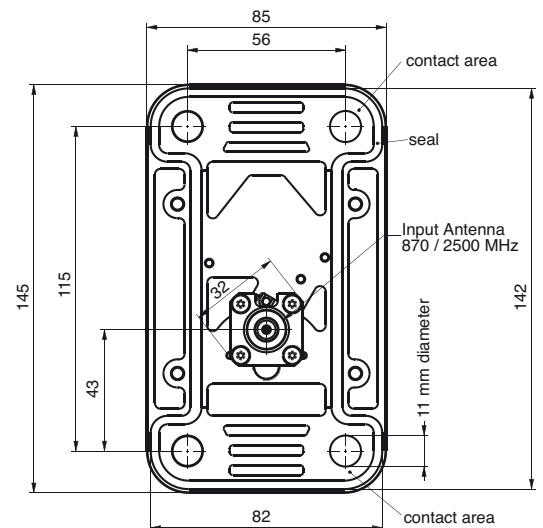
**Material:** Radiator: Copper and brass.  
Flange: Aluminum. Radome: Fiberglass.  
All screws and nuts: Stainless steel.  
Colour: Grey.

**Mounting:** On a conductive surface with a minimum size of 50 x 50 cm using 4 M10 bolts.

**Grounding and high voltage protection:** This antenna, tested by an independent institute and approved by the "Deutsche Bahn AG", is D.C. grounded to protect against lightning and high-tension lines.



Mounting flange:



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.

