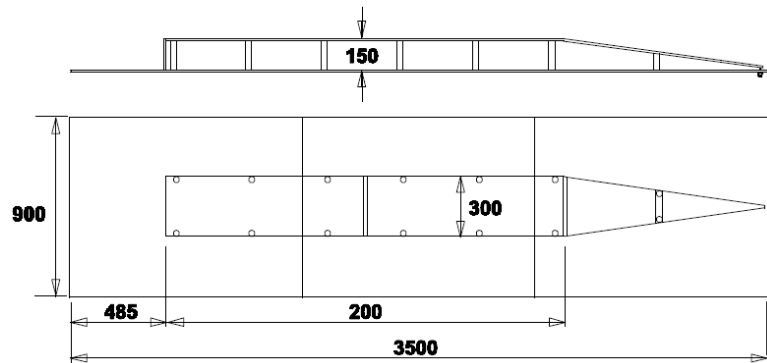
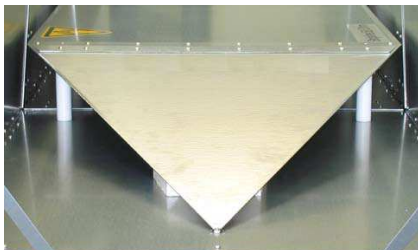


EMC-STPL-90

Stripline for immunity tests 90 Ohm 10KHz-1GHz

Key Feature

- EMC tests for vehicle components
- immunity to RF fields
- Conform with ISO 11452-5 and SAE J1113-23.
- Efficient power conversion provides
- high fields with minimum power



Striplines are a variation of TEM lines which allows an application of electromagnetic fields with a good homogeneity in the test volume. The EMC-STPL striplines are designed for immunity tests on automotive devices according to the standard ISO 11452-5 and SAE J1113-23.

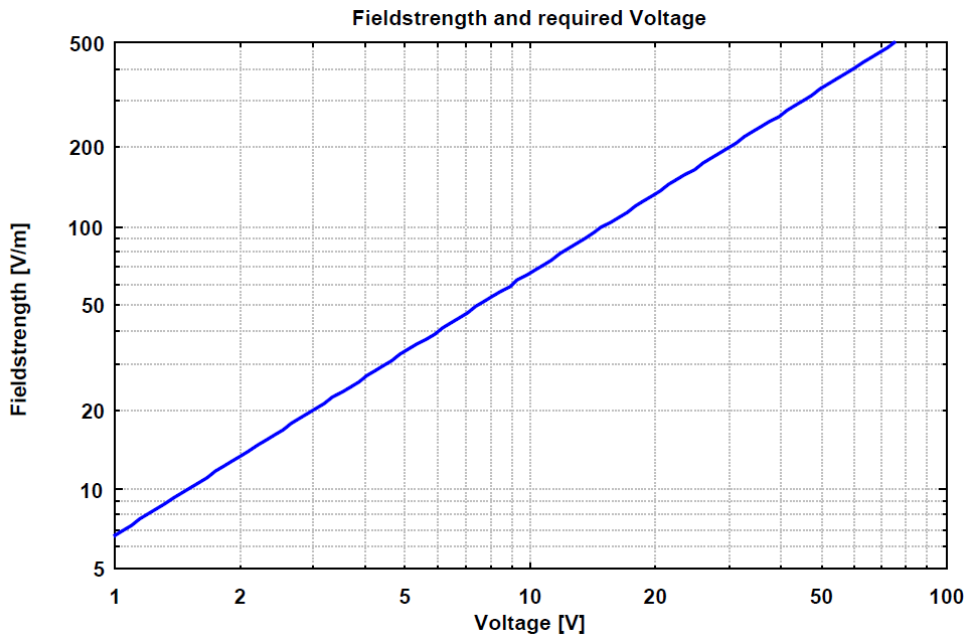
The geometrical dimensions having a line impedance of $Z = 90 \Omega$. At the end, the line is matched by a 90Ω termination. Typical for this strip line is the low power request for high field strength values.

The stripline is fixed on a table and it is easy to move. It is the only stripline on the market able to carry out test up to 1 GHz with excellent return loss.

Mechanically manufactured in hot galvanized Iron and aluminium with Alodine treatment.

Technical Specifications

Frequency range	10 KHz to 1000 MHz
Maximum input power	1 kW continuous
Wave impedance	377 Ω
Impedance	90 Ω +/- 5 Ω
Return loss (with adapter 50-90 Ω)	> 14 dB up to 100 MHz > 10 dB up to 1 GHz
Connector input type	N female
Typical CW Input power for 10 V/m:	approx. 50 mW (17 dBm)
Field homogeneity	about 2 x 0.37 x 0.05 m (L x W x H)
Fieldstrength ripple	< +/- 2 dB
Height of the septum	15 cm over ground plane
Height of the table + stripline	75+15=90 cm
Stripline inner dimensions:	280 x 150 x 2000 mm
Total Size (L x W x H)	330 x 90 x 90 cm (service position)
Weight	about 70 kg



Accessories

90 Ohm Termination on Aluminium Heath sink

Nominal frequency range : DC-1Ghz

Standing Wave Ratio: Typical SWR < 1:1,5

Hi-power berillium-Oxid resistors, Standard Model with Max. Power applicable: 100W (on demand available model with 200W-500W-1000W)

Size: 150x200x100 mm

Weight: 2Kg

Impedance adapter 50 - 90 Ω / 100 W

Matching impedance transformer 50 to 90 Ohm broad band: DC-1Ghz

Applicable power: 100W Max. (On demand available: 200W-500W-1000W)

Input Connector: N - Female up to 200W (7/16" up to 1KW).

Size: 150x200x100 mm

Antenna factor: 2,5dB (matching Losses)

Weight: 2Kg

Matching Low-pass filter box

Customized band tailored and applicable power.