

Stripline 50 Ohm

Striplines are a variation of TEM lines which allows an application of electromagnetic fields with a good homogeneity in the test volume. Our striplines are designed for immunity tests on automotive devices according to the standards ISO 11452-5 and SAE J1113-23. The two available standard models have an impedance of respectively 50 and 90 Ω (see the datasheet of the 90 Ω version on next page). The stripline is fixed on a table and is easy to move. The table can be sloped vertically in order to reduce the width. It is also possible to easily divide the stripline in two parts for the storage or during the transport. It is the only stripline on the market able to carry out test up to 1 GHz with excellent return loss.



SPECIFICATIONS: 50 Ω VERSION

Frequency range	0 to 1 GHz
Maximum input power	1 kW continuous
Wave impedance	377 Ω
Impedance	50 Ω +/- < 5 Ω
VSWR	better than 1.25
Return loss	better than 20 dB
Connector type	N 50 Ω
Field homogeneity	about 2 x 0.37 x 0.05 m (L x W x H)
Height of the septum	15 cm over ground plane
Height of the table	90 cm
Size (L x W x H)	430 x 150 x 105 cm (service position) 2 * 215 x 85 x 165 cm (storage)
Weight	about 140 kg

The following options are available: - other height under the septum
- filter box.

Stripline 90 Ohm

This stripline 90 Ω is designed for immunity tests on automotive devices according to the standards ISO 11452-5 and SAE J1113-23. The stripline is easy to move and it is possible to pivot the table in order to reduce the width of the equipment. It is the only stripline 90 Ω on the market able to carry out test up to 1 GHz with an excellent return loss. An impedance adapter 50 - 90 Ω is available as an option.



SPECIFICATIONS: 90 Ω VERSION

Frequency range	0 to 1 GHz
Maximum input power	> 200 W continuous
Wave impedance	377 Ω
Impedance of the line	90 Ω
Return loss (with adapter 50 - 90 Ω)	> 14 dB up to 100 MHz > 10 dB up to 1 GHz
Connector type	N 75 Ω
Height of the septum	15 cm over ground plane
Height of the table	80 cm
Size (L x W x H)	350 x 90 x 95 cm (service position) 350 x 80 x 110 cm (storage)
Weight	about 70 kg

The following options are available:

- impedance adapter 50 - 90 Ω / 100 W
- filter box
- other height under the septum