



Impedance Adapter for 90 Ω Striplines



The standards ISO 11452-5 and SAE J1113/23 describe two types of stripline: the 50 Ω and the 90 Ω versions. Because the RF amplifiers available from the market have an impedance of 50 Ω , the impedance adaptation is not realized and mismatch can lead to dysfunction of some amplifiers. To avoid this drawback, we propose an impedance adapter to match the impedance of the stripline to the normalized impedance of the amplifiers. This adapter must be placed at the input connector of the stripline.

SPECIFICATIONS

Type	SRA5090
Frequency range	0 to 1 GHz
Maximum input power	100 W long term
Input impedance	50 Ω (N)
Output impedance	90 Ω (N 75 Ω)
VSWR	better than 1.3
Correction factor	2.5 dB
Weight	2 kg