

Conditions for measuring S-parameter

Conditions for measuring S-parameter

S-parameters on our web site are based on the measurement data where the small AC signal is applied at 20 or 25 degree C.

Please note that characteristic values of S-parameters are different from nominal values of products such as capacitance, inductance, etc. because the measuring conditions of S-parameters are also different from those of nominal values.

The representative conditions for measuring S-parameters are as follows.

Measuring Instruments	Network Analyzer (Keysight Technologies E5061B, E5072A, E5071C, etc.) Impedance Analyzer (Keysight Technologies 4294A, E4991A, E4991B, etc.)
Temperature	20 or 25 degree C
DC Bias	Not applied.

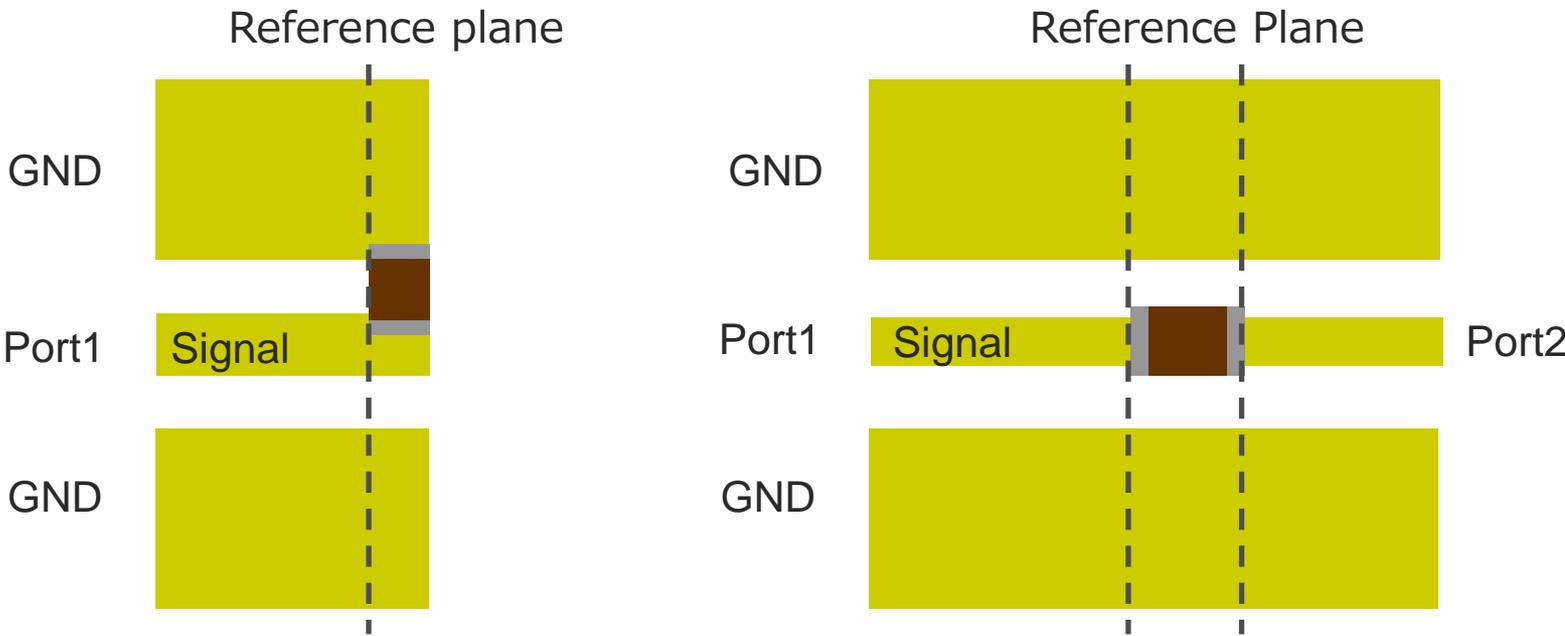
* Please contact us about measuring conditions for individual products.

Measurement fixtures

Individual fixtures are used to measure the data according to the kinds of products.

The provided S-parameters contain the characteristics of single unit of products where the characteristics of fixtures are removed from the measurement data.

Examples of fixture diagrams are as follows.



Remove the characteristics of fixtures up to the reference plane.

TAIYO YUDEN