THIS DOCUMENT MUST BE OPENED IN ACROBAT (NOT A WEB BROWSER) TO BE SUBMITTED. Termination and Resistive Matching Probes



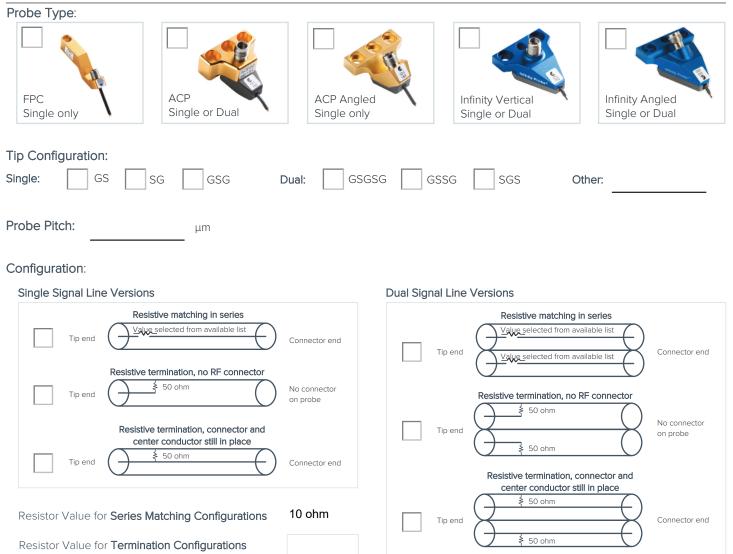
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Performance (These types of probes are custom only with limited testing)

Termination Probes

For probes that have the full RF connection path the typical recommended usable frequency range is 6-10 GHz. This limit is due to the parasitic capacitance of the high performance RF resistor.

Resistive Matching Probes

Adding series resistor to the probe leaves FormFactor with no way to validate the RF performance. This is because no calibration standards exist, so the RF performance is purely best effort

Testing Methodology

For probes that have the full RF connection path, they are built and tested as standard RF probes first, and then the Resistor is added. After adding the resistor only DC resistance measurement are performed. For versions with no RF connector/s only DC resistance measurements are performed.

Construction

Resistors are place as close as possible to the contacts (example illustration below).



Example: Termination probe



matching probe

Additional Instructions

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