

Termination and Resistive Matching Probes



Design Capture Form

Please fill out the form below and return it to FormFactor or your local representative.

Date		PO#	
Company		Requisitioner	
Buyer		Technical contact	
Shipping address			
City/State		Phone	
Country		FAX	
Postal code		Email	

For exact re-order, specify serial or PCN #

For new orders, please fill out information below.

Probe Type:

<input type="checkbox"/>  FPC Single only	<input type="checkbox"/>  ACP Single or Dual	<input type="checkbox"/>  ACP Angled Single only	<input type="checkbox"/>  Infinity Vertical Single or Dual	<input type="checkbox"/>  Infinity Angled Single or Dual
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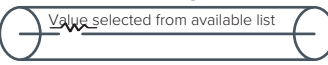


Tip Configuration:

Single: GS SG GSG Dual: GSGSG GSSG SGS Other: _____

Probe Pitch: _____ μm

Configuration:

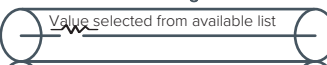
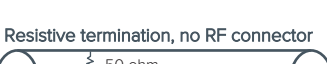
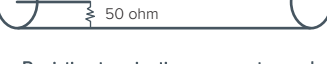
Single Signal Line Versions

<input type="checkbox"/>	Tip end		Connector end
<input type="checkbox"/>	Tip end		No connector on probe
<input type="checkbox"/>	Tip end		Connector end

Resistor Value for Series Matching Configurations

Resistor Value for Termination Configurations

Dual Signal Line Versions

<input type="checkbox"/>	Tip end		Connector end
<input type="checkbox"/>	Tip end		No connector on probe
<input type="checkbox"/>	Tip end		Connector end

Termination and Resistive Matching Probes

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

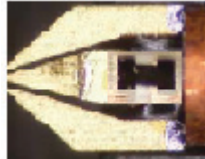
For probes that have the full RF connection path, they are built and tested as standard RF probes first, and then the Resistor is added. After adding the resistor only DC resistance measurement are performed. For versions with no RF connector/s only DC resistance measurements are performed.

Construction

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



Example: Termination probe



Example: Series resistive matching probe

Additional Instructions

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