

**DB295MM-R3 test data**

**HEAD OFFICE**

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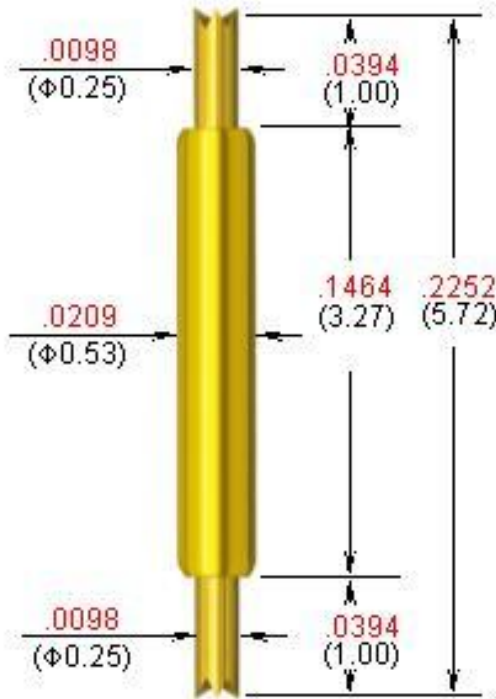
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**Prepared by JS LEE**

**Checked by JY SEO**



**Mechanical Spec.**

- Spring Force : .65oz (18.3g) @ .0283 (0.72mm)
- Recommended travel : .0283 (0.72mm)
- Full travel : .0551 (1.40mm)
- Material : Plunger-Hardened BeCu / Au plated  
Barrel -Phosphor bronze / Au plated  
Spring -Stainless Steel / Au plated

**Electrical Spec.**

- Current Rating : 1.0A Continuous
  - Probe Resistance : Less than 50mohm
  - Self Inductance : 1.32nH
  - Capacitance : 0.97pF
  - Bandwidth : 20.92GHz
  - Mutual Inductance : 0.87nH(K=0.5)
  - Propagation Delay : 44.9ps
- (Dielectric material : ULTEM1000)

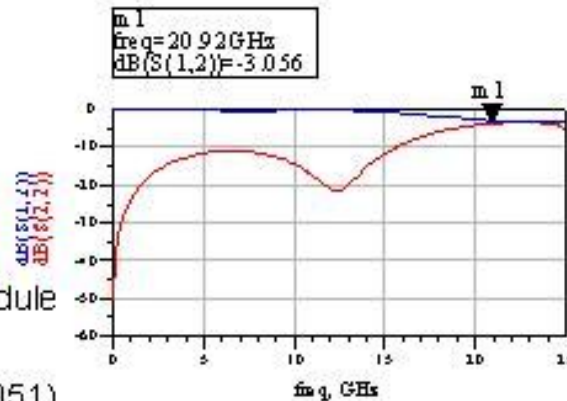
**Electrical measure system**

Measuring Equipment

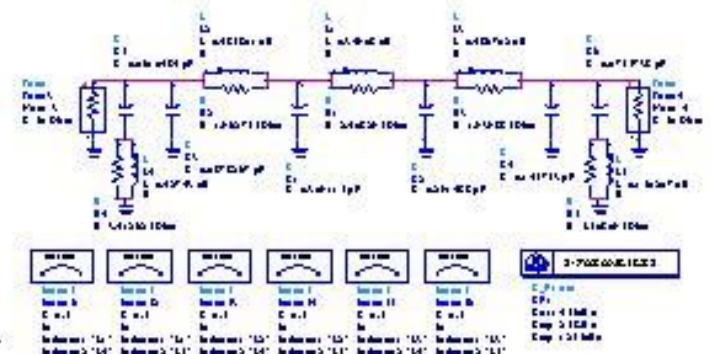
: Agilent 8510C network analyzer.  
Hewlett-Packard 54750A TDR module

Measuring JIG

: LEENO Probe station. (LN JIG-R-051)

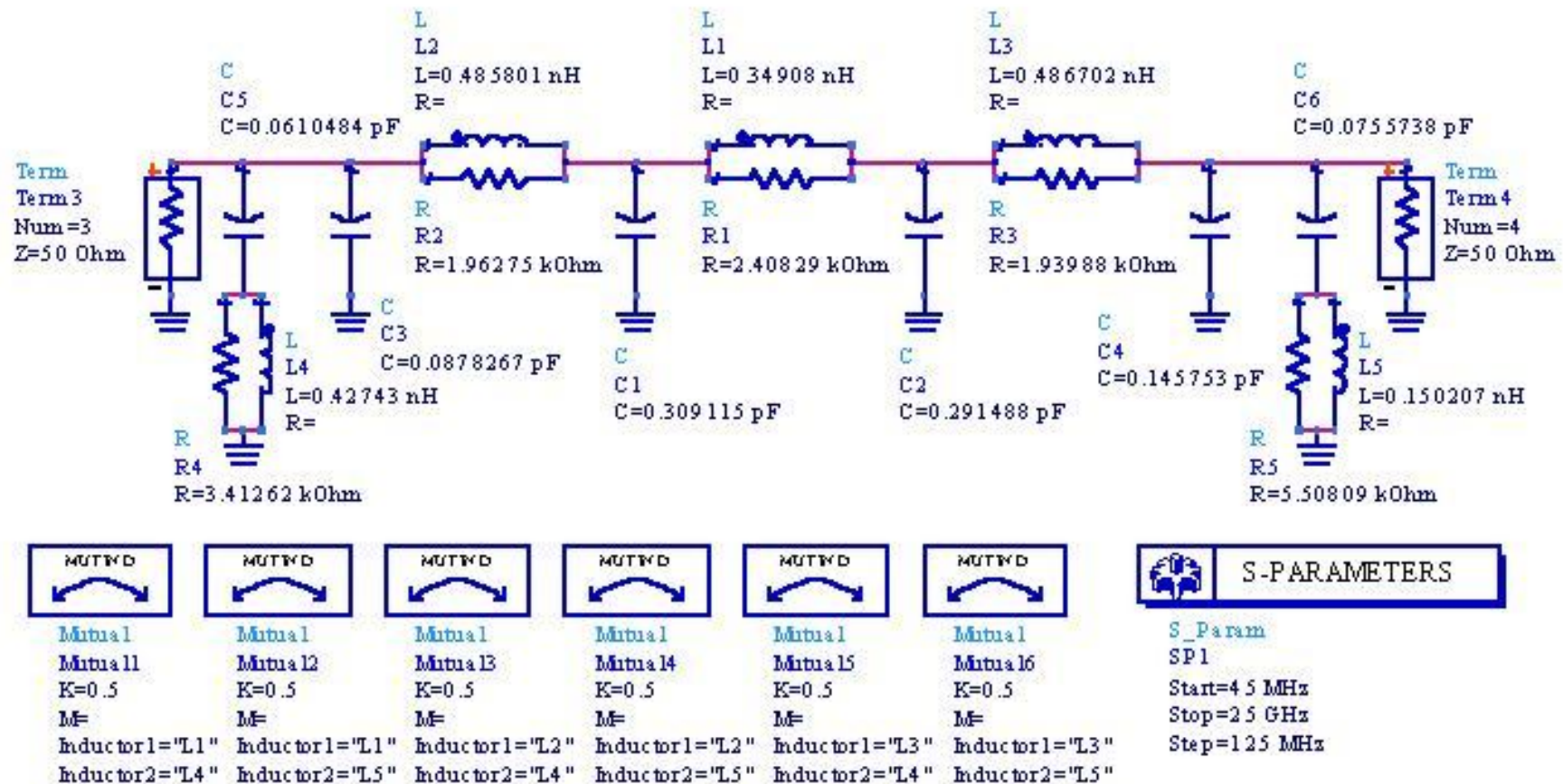


- S-parameter(S22&S12) -



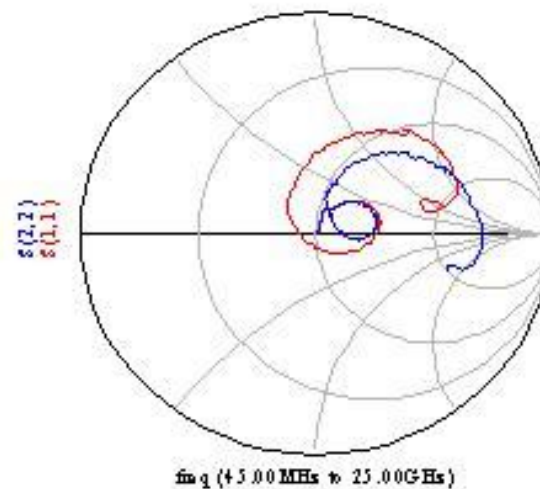
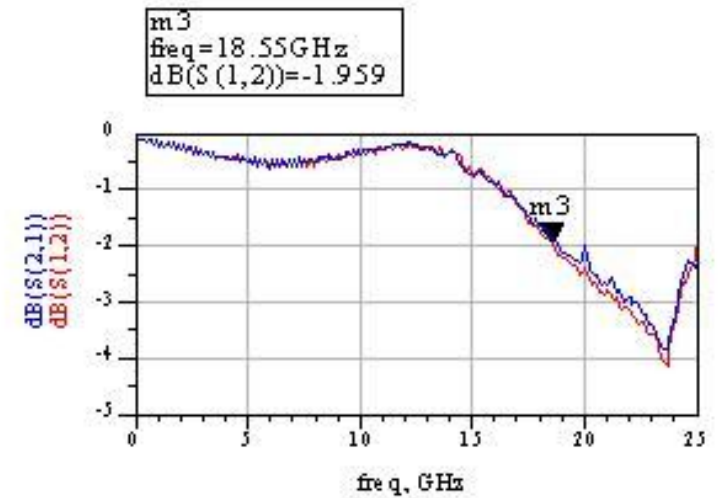
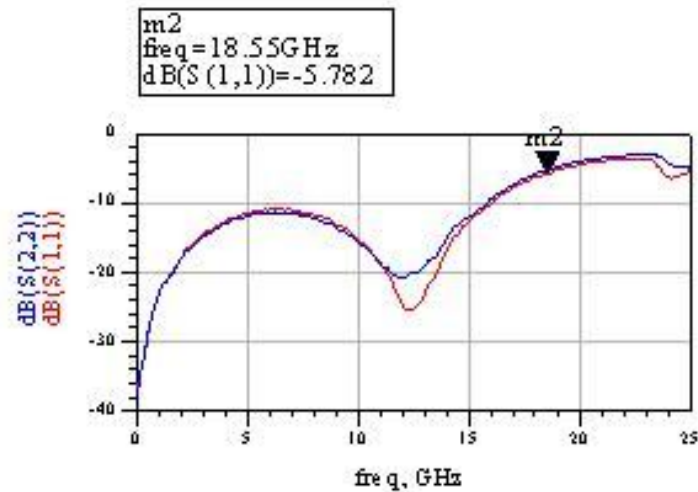
- Equivalent-circuit model -

## Equivalent-circuit model.



a. Equivalent-circuit model for full-2port

## S-parameter for leeno pin DB295MM-R3



## Time domain characterization.

