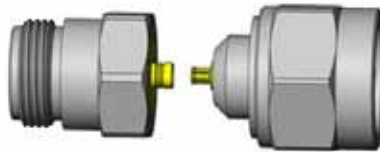




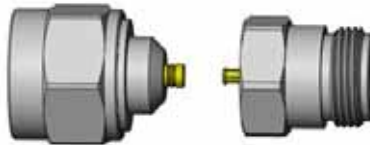
RF Characterization Report

ADP5 Series Adapters

ADP5-06SJ2-V3SJ1 Mating To ADP5-06SP2-V3SP1



ADP5-06SP2-V3SJ1 Mating To ADP5-06SJ2-V3SP1



ADP5-01SJ7-10SJ7 Mating To ADP5-01SJ7-10SP7



**Description:
50 Ω RF Adapter**

Series: ADP5
Description: 50Ω RF Adapter

Table of Contents

| | |
|---|---|
| Test Setup Information | 1 |
| Scope: | 1 |
| Product Description: | 1 |
| Test Calibration:..... | 1 |
| Adapter Use:..... | 1 |
| Definition of Assembly under Test: | 2 |
| Port Designations: | 2 |
| Legend for Plots:..... | 2 |
| Results Summary..... | 3 |
| ADP5-06SJ2-V3SJ1 Mating To ADP5-06SP2-V3SP1..... | 3 |
| ADP5-06SP2-V3SJ1 Mating To ADP5-06SJ2-V3SP1..... | 4 |
| ADP5-01SJ7-10SJ7 Mating To ADP5-01SJ7-10SP7 | 5 |
| Instrument Setup:..... | 6 |
| Test Fixtures: | 6 |

Series: ADP5
Description: 50Ω RF Adapter

Test Setup Information

Scope:

To perform characterization tests, Insertion Loss, Return Loss and Voltage Standing Wave Ratio.

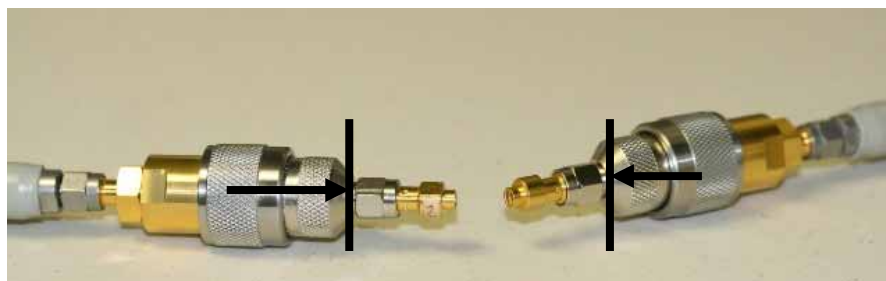
Product Description:

The table below presents a description of the different mated ADP5 series adapters that were tested.

| Part Number | Termination – End 1 | Termination – End 2 |
|---|------------------------|-----------------------|
| ADP5-06SJ2-V3SJ1 Mating To ADP5-06SP2-V3SP1 | N Type, Straight, Jack | MMCXV, Straight, Jack |
| ADP5-06SP2-V3SJ1 Mating To ADP5-06SJ2-V3SP1 | N Type, Straight, Plug | MMCXV, Straight, Plug |
| ADP5-01SJ7-10SJ7 Mating To ADP5-01SJ7-10SP7 | SMA, Straight, Jack | AFI, Straight, Jack |
| | SMA, Straight, Jack | AFI, Straight, Plug |

Test Calibration:

Calibration is performed using Agilent mechanical calibration kit, PN 85052D to the calibration point below. Any adapters beyond this point are included in the measurements.



(Sample setup of adapters, actual setup not depicted.)

Adapter Use:

Each port uses at least one precision adapter capable of mating to the assembly under test. Any supplementary adapter will contribute additional electrical characteristics to the measured data. Any use of additional adapters is noted.

Series: ADP5

Description: 50 Ω RF Adapter

Definition of Assembly under Test:

The performance characteristics include the interface with adapters.

Port Designations:

The connector attached to port 1 of the VNA is "End 1" from the part number callout. Insertion Loss is measured using S21 and Return Loss / VSWR is measured using S11.

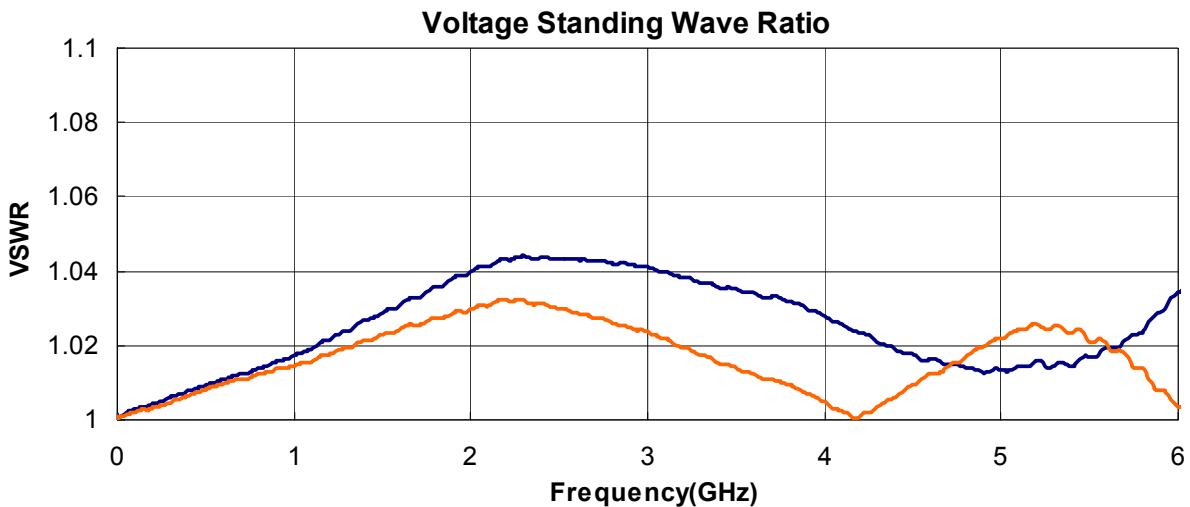
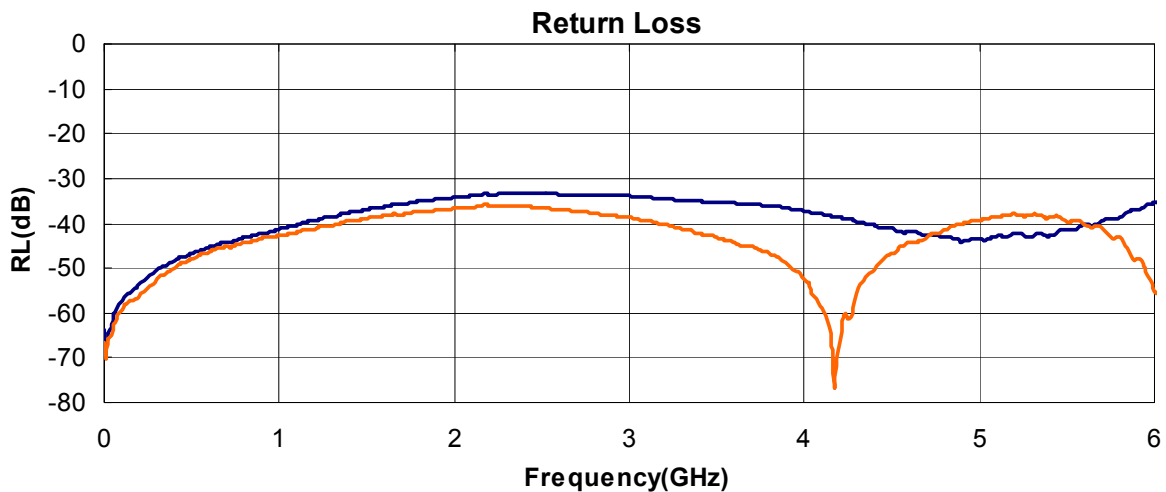
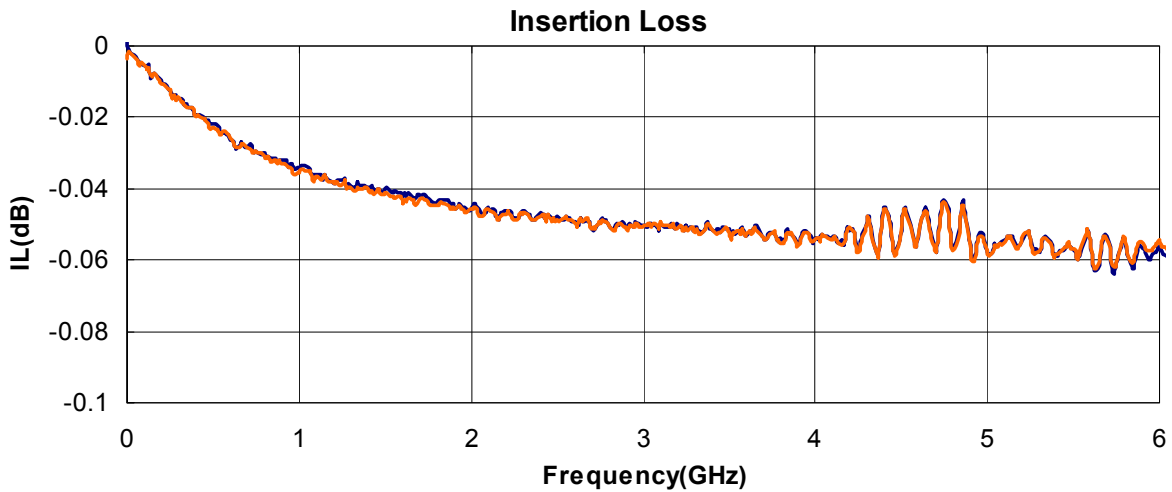
Legend for Plots:

5 samples were tested. Base on the insertion loss, the min/max plots are shown for clarity in this report.

Series: ADP5
Description: 50Ω RF Adapter

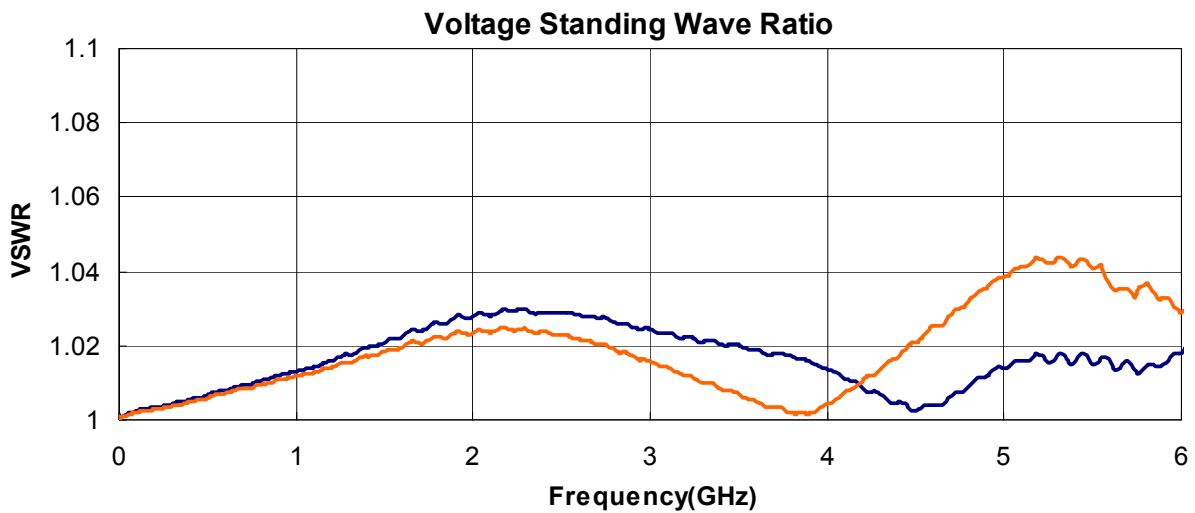
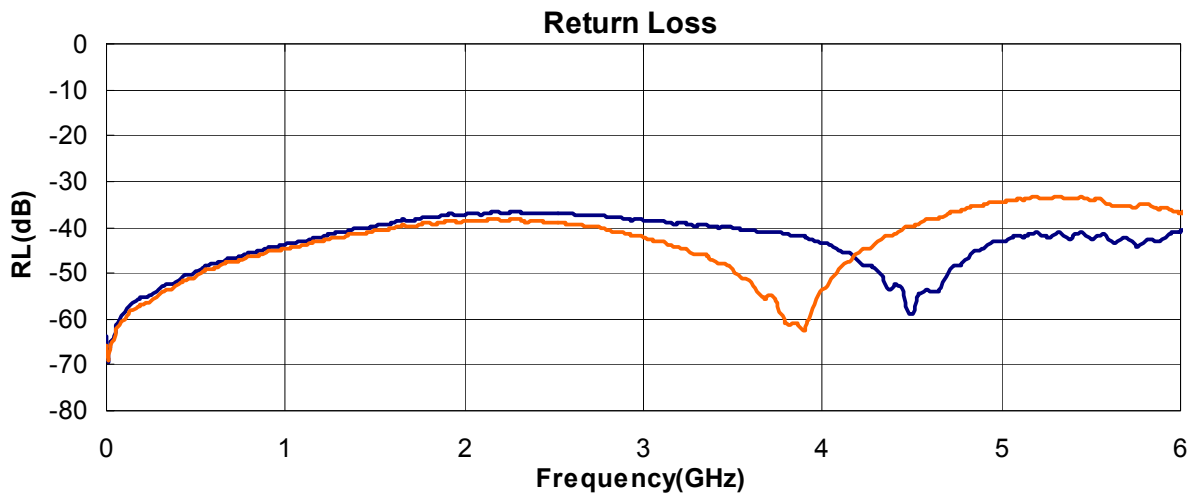
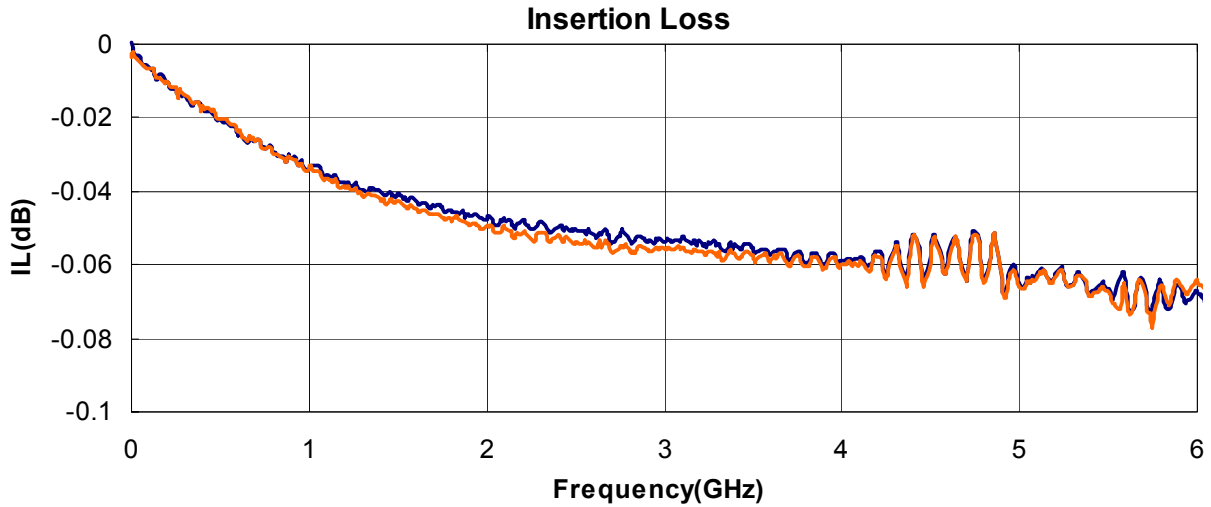
Results Summary

ADP5-06SJ2-V3SJ1 Mating To ADP5-06SP2-V3SP1



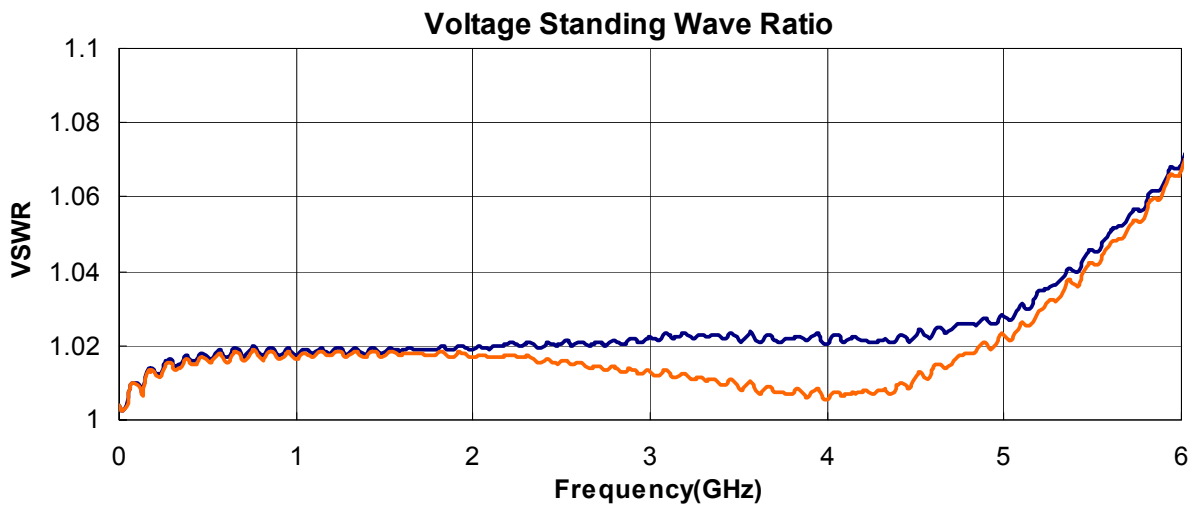
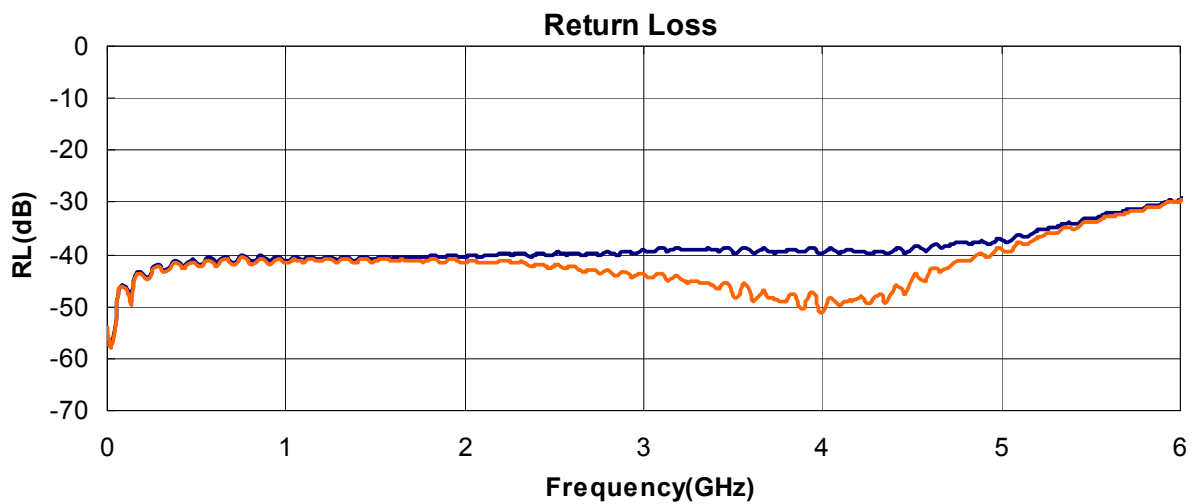
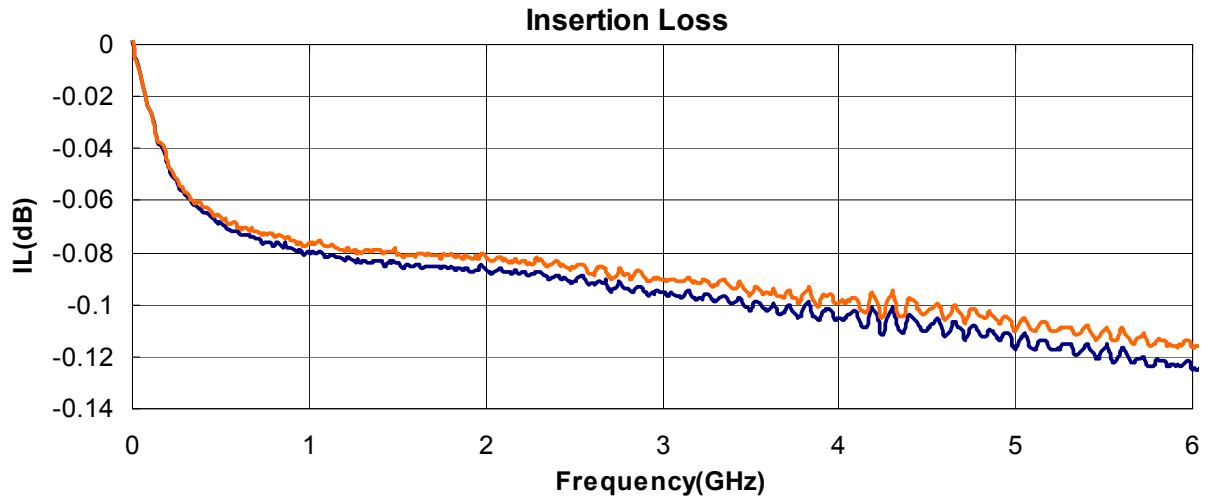
Series: ADP5
Description: 50Ω RF Adapter

ADP5-06SP2-V3SJ1 Mating To ADP5-06SJ2-V3SP1



Series: ADP5
Description: 50Ω RF Adapter

ADP5-01SJ7-10SJ7 Mating To ADP5-01SJ7-10SP7



Series: ADP5**Description:** 50 Ω RF Adapter**Instrument Setup:**

Network analyzer (Agilent N5230C) was used for the measurements and setup as below:

| | |
|----------------------------|--|
| Network Analyzer | Agilent N5230C PNA-L Series (300 KHz - 20 GHz) |
| Mechanical Calibration Kit | 85052D |

| | |
|------------------|---------|
| Averaging Factor | 0 |
| Smoothing | Off |
| IF Bandwidth | 1 KHz |
| Sweep Start | 300 KHz |
| Sweep End | 3 GHz |
| Points | 1601 |

Test Fixtures:

N5230C (Typical set-up, actual part not depicted.)