

December 12, 2022

NJG1814MD7

High Power SPDT Switch

S-parameter simulation data

Standard Condition

Ver.1

- S-parameter simulation data
- Simulation circuit
- s3p file
 - PC-P1 ON mode: NJG1814MD7_P1on.s3p
 - PC-P2 ON mode: NJG1814MD7_P2on.s3p

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RFIC Design Section



■ Simulation Condition

f=50MHz~6GHz, Step=50MHz

V_{DD}=3.3V, V_{CTL(H)}=1.8V, V_{CTL(L)}=0V

Ta=25°C,

Z₀=Z_s=50Ω

This simulation includes package (EQFN14-D7) model

■ S Parameter Data

s3p file : touchstone format

File Name :

NJG1814MD7_P1on.s3p (PC-P1 ON mode)

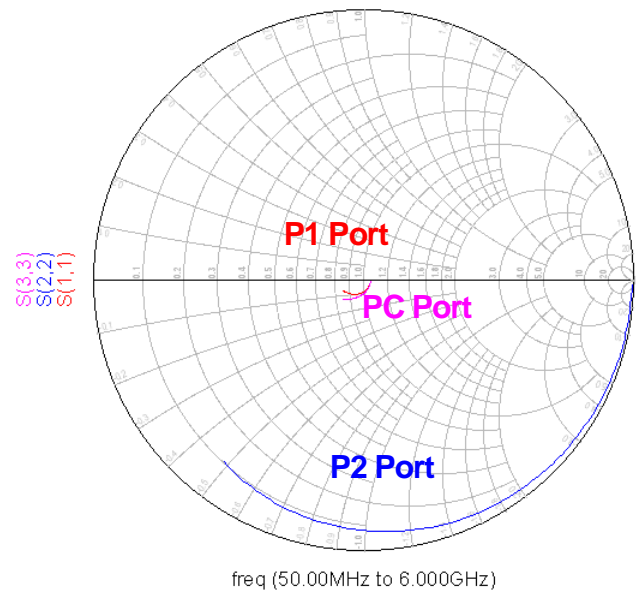
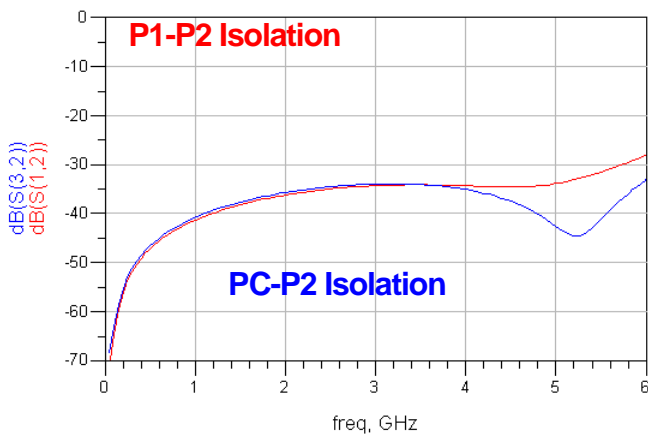
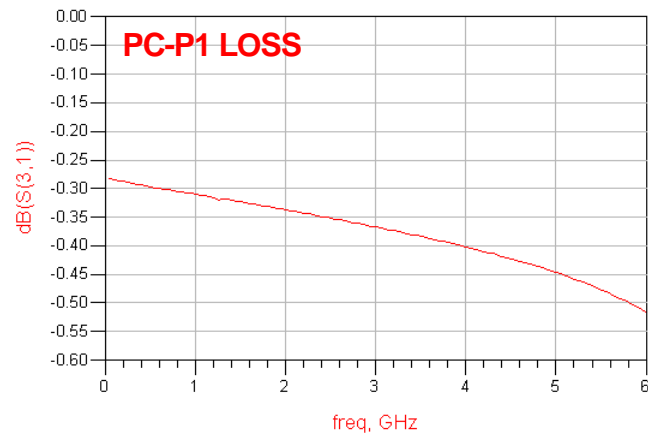
NJG1814MD7_P2on.s3p (PC-P2 ON mode)

Ports definition :

s3p file	NJG1814MD7 Ports
Port1	P1
Port2	P2
Port3	PC

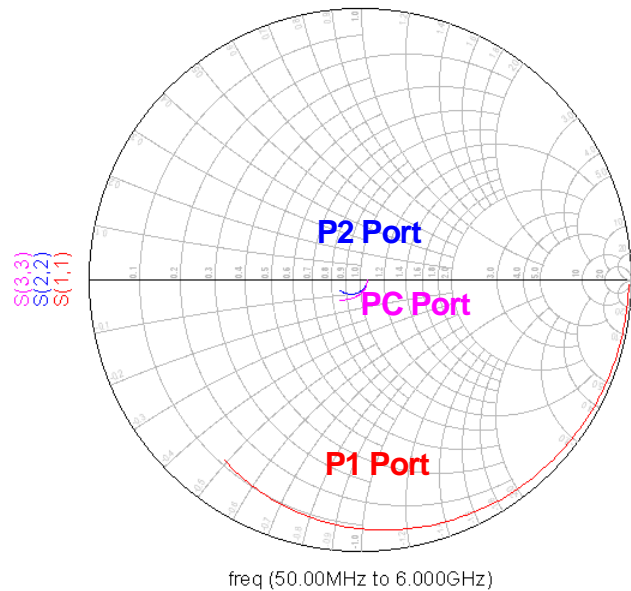
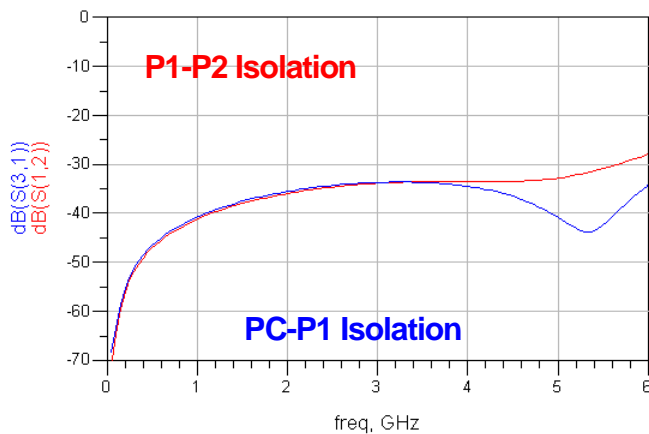
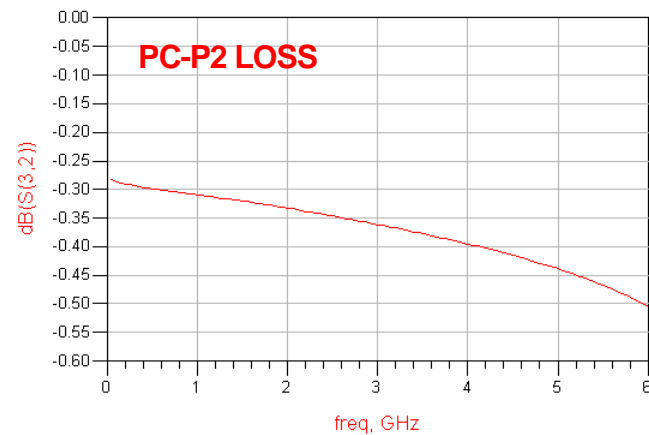
■ Simulation Data

File Name : NJG1814MD7_P1on.s3p (PC-P1 ON mode)



■ **Simulation Data**

File Name : NJG1814MD7_P2on.s3p (PC-P2 ON mode)



CAUTIONS ON USING THIS PRODUCT

This product contains Gallium-Arsenide (GaAs) which is a harmful material.

- Do NOT eat or put into mouth.
- Do NOT dispose in fire or break up this product.
- Do NOT chemically make gas or powder with this product.
- To waste this product, please obey the relating law of your country.

This product may be damaged with electric static discharge (ESD) or spike voltage.

Please handle with care to avoid these damages.

- The product specifications and descriptions listed in this catalog are subject to change without prior notice.
- New Japan Radio has no responsibilities on any violation of the right of the patent by the third party who contains the information and drawing in this catalog.
- This product is not designed for the system requiring high reliability, such as space or air system, submarine cable system, nuclear power plant control system or medical instrument for life keeping.

If you are planning to use in the system above, please ask for our sales representatives.

- The technology or freights of this device may be controlled by the regulation on the Foreign Export and the Foreign Export Control Law.

