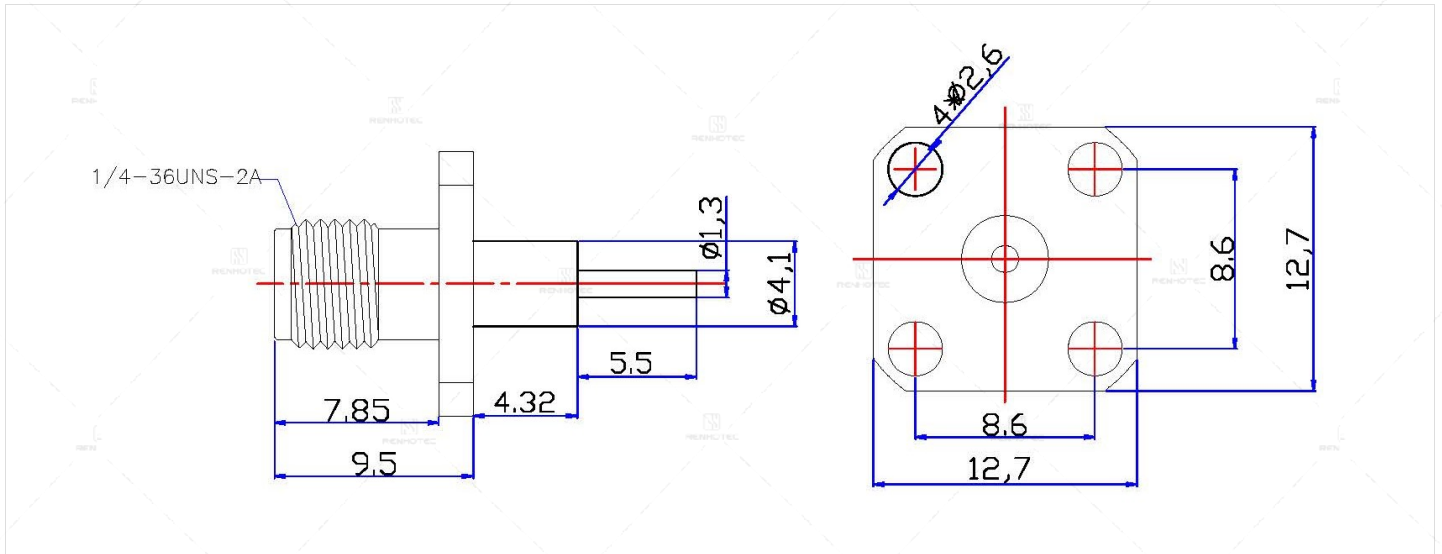


## SMA Connector Straight Female Jack PCB Mount Through Hole 50 Ohm - RHT-612-0321

### Drawing



### Basic Information

<b>Connector Type</b>	Jack
<b>Contact Type</b>	Female Pin
<b>Contact Termination Style</b>	Solder
<b>Fastening Type</b>	1/4-36 Threaded
<b>Orientation</b>	Straight
<b>Mounting Feature</b>	Through Hole
<b>Mounting Type</b>	PCB Mount

### Electrical Specification

<b>Impedance</b>	50 ohm
<b>Frequency Range</b>	DC-6GHz
<b>VSWR</b>	1.5MAX
<b>Operating Voltage</b>	500V rms
<b>Contact Resistance</b>	Centre Contact: 6mΩ Max Outer Contact: ≅ 0.2 MΩ (Milliohms Max.)

### Material and Finish

Component Description	Material	Finish
Shell	Brass	Gold Plated
Insulator	PTFE	
Center Contact	Phosphor	Gold Plated

### Environmental Specification

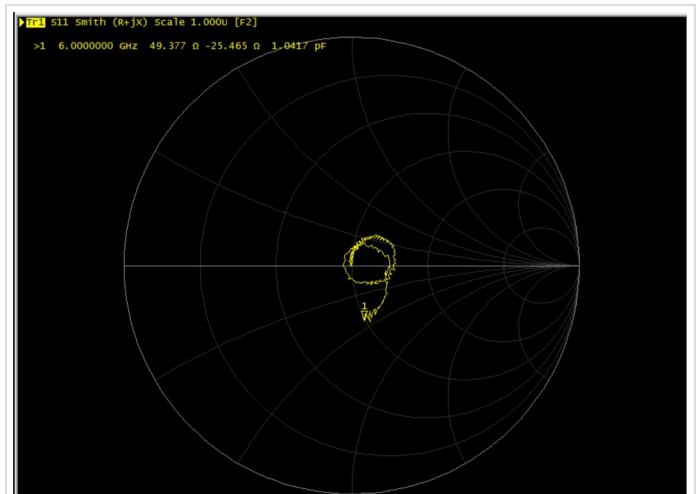
<b>Temperature Range</b>	-55°C to +155°C
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### Mechanical Specification

<b>Mating Durability</b>	≥ 500 Cycles
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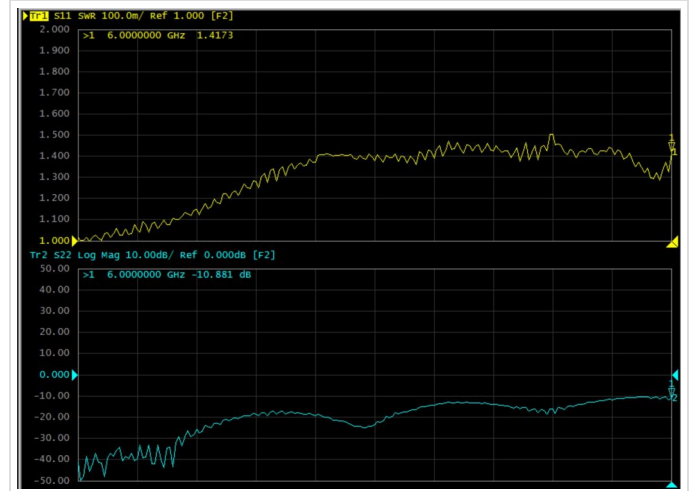
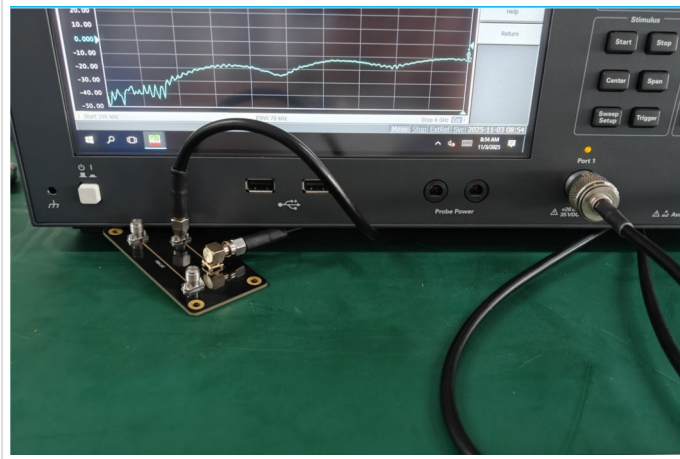
### Impedance Testing

Impedance	50 ohm
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### Frequency & VSWR Test Report

Frequency Range	DC-6GHz
VSWR	1.5MAX



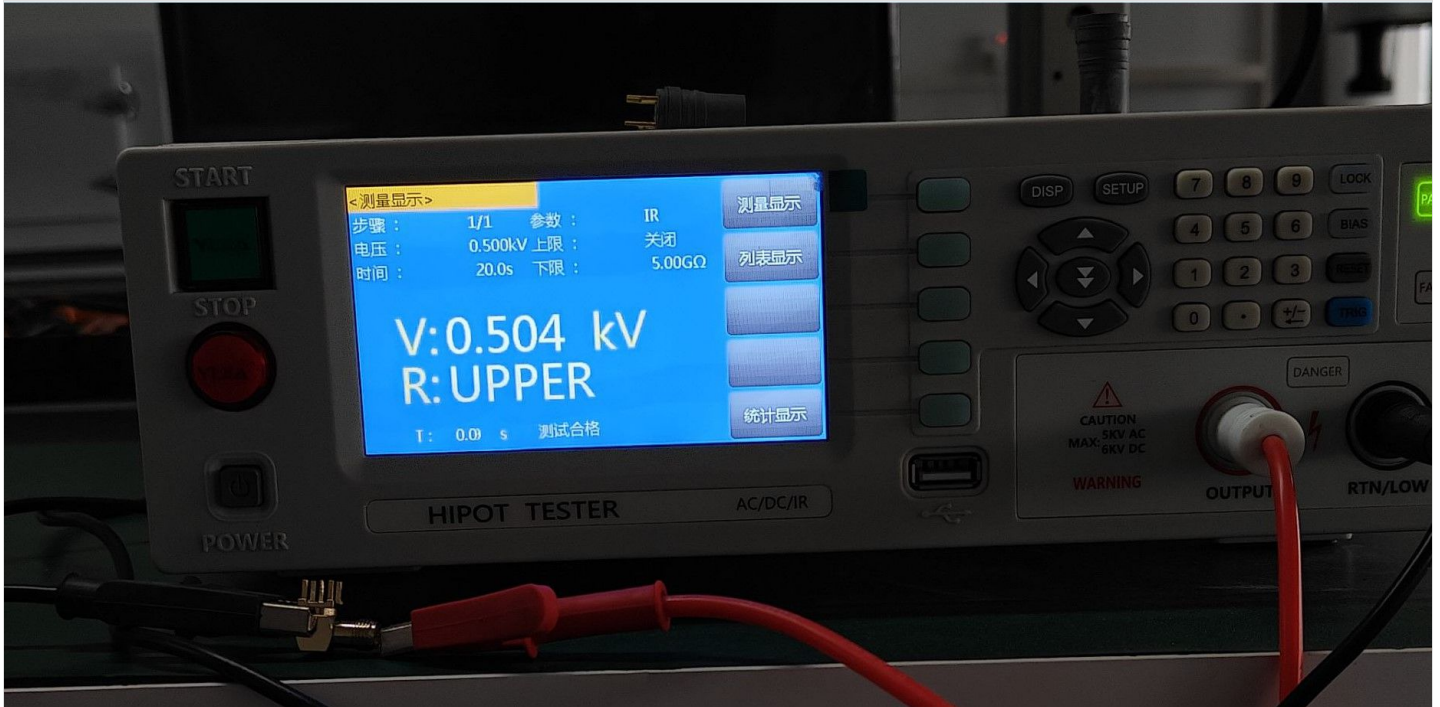
### Contact Resistance Test

Contact Type	Male Pin
Center Contact Resistance	6 MΩ Max
Outer Contact Resistance	≅ 0.2 MΩ (Milliohms Max.)
Contact Termination Style	Solder



### Working Voltage & Insulation Resistance Test

Rated Voltage	500V rms
Insultation Resistance	5000 Ohms min



### Version History

REV	Date	Revise Contents	Drafter	Approver
A.0	2025.12.17	The initial formulation	Marcella	Joson

### Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.