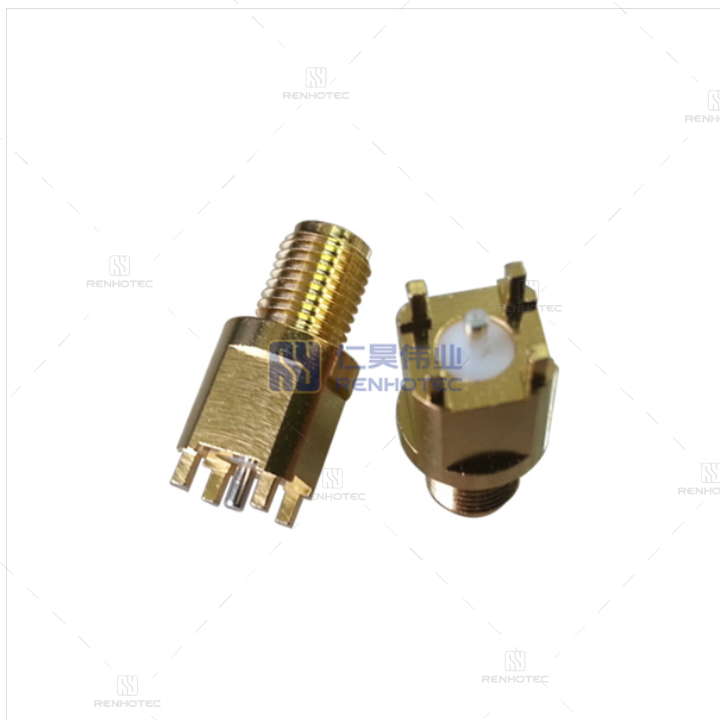
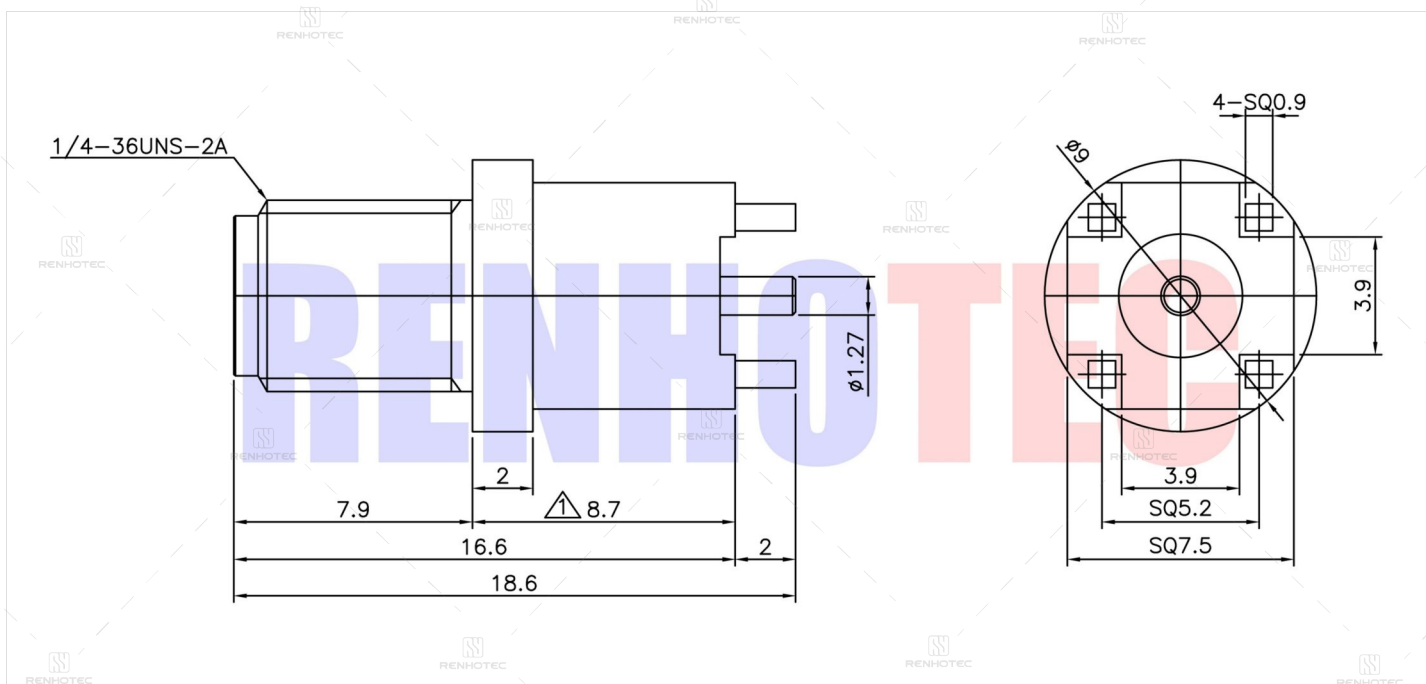


## SMA Connector Straight Jack Female Through Hole 50 Ohm - RHT-612-0279



### Drawing



## Basic Information

|                  |                 |
|------------------|-----------------|
| Connector Type   | Jack            |
| Fastening Type   | 1/4-36 Threaded |
| Mounting Feature | Through Hole    |
| Mounting Type    | Panel Mount     |
| Orientation      | Straight        |

## Environmental Specification

|                   |                 |
|-------------------|-----------------|
| Temperature Range | -65°C to +165°C |
|-------------------|-----------------|

## Mechanical Specification

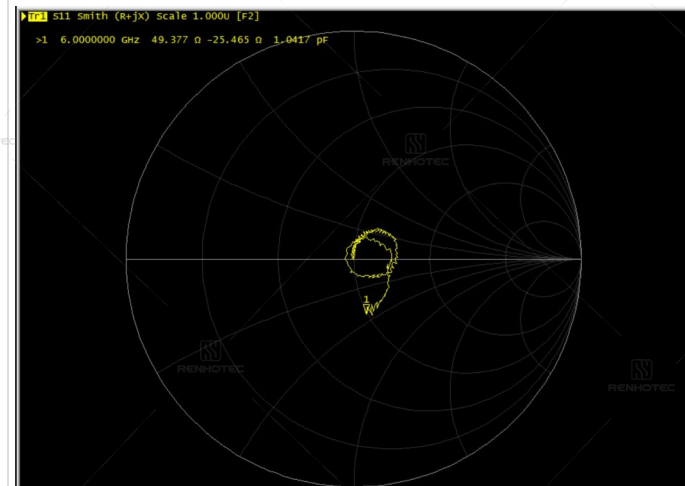
|                   |              |
|-------------------|--------------|
| Mating Durability | ≥ 500 Cycles |
|-------------------|--------------|

## Material and Finish

| Component Description | Material        | Finish      |
|-----------------------|-----------------|-------------|
| Shell                 | Copper Alloy    | Gold Plated |
| Insulator             | PTFE            |             |
| Center Contact        | Phosphor Bronze | Gold Plated |

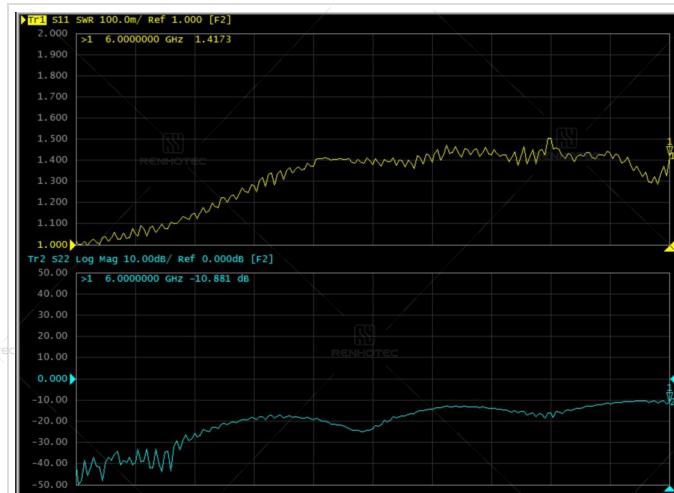
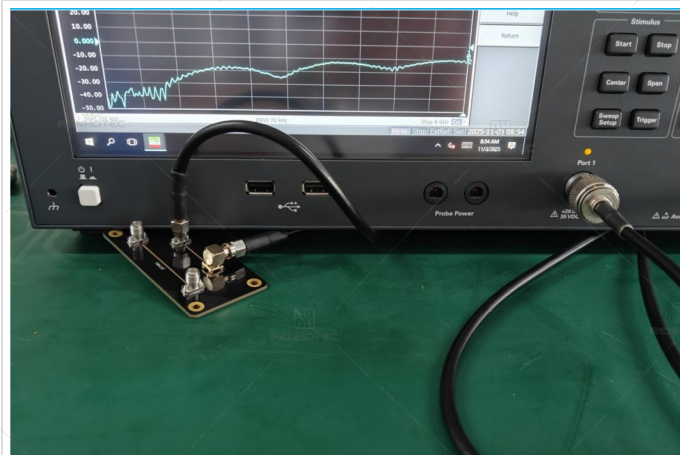
## Impedance Testing

|           |        |
|-----------|--------|
| Impedance | 50 ohm |
|-----------|--------|



## Frequency & VSWR Test Report

|                 |                |
|-----------------|----------------|
| Frequency Range | DC-6GHz        |
| VSWR            | $\leq 1.3$ MAX |



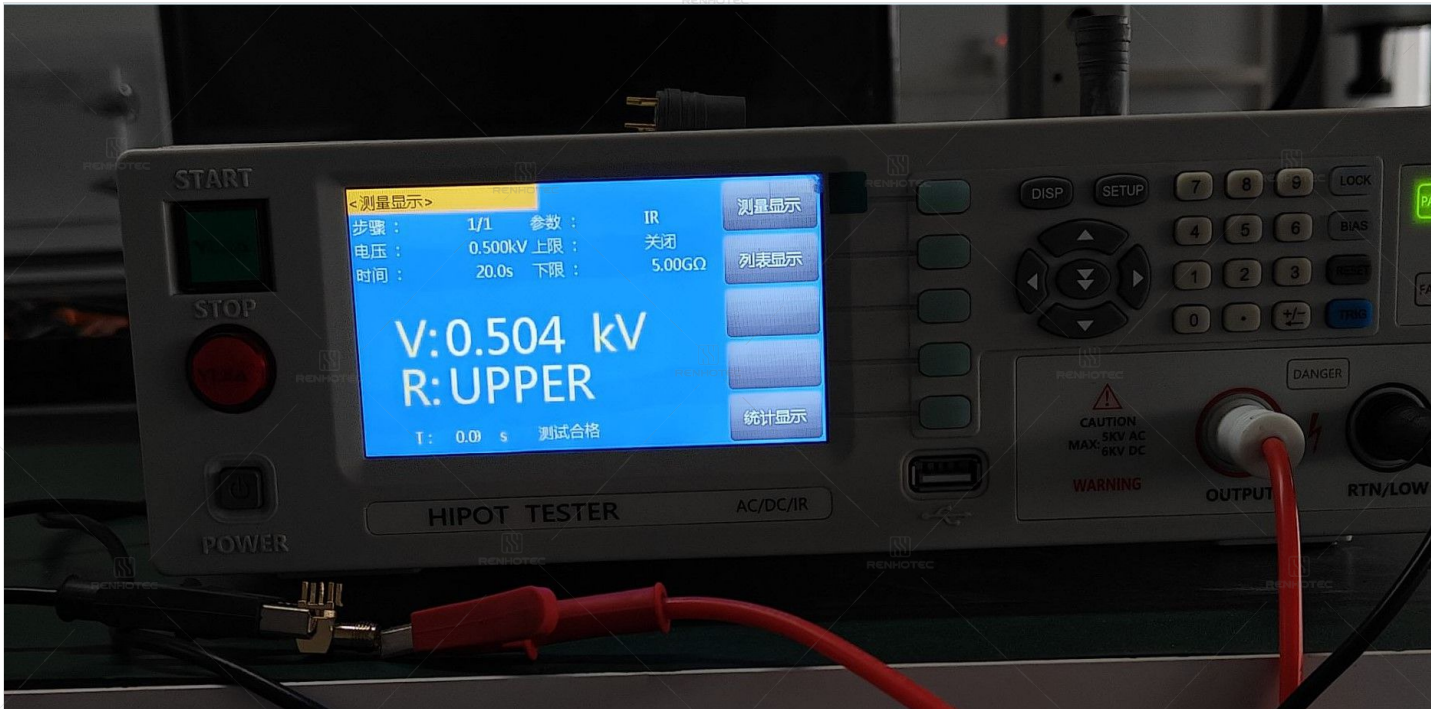
## Contact Resistance Test

|                           |                                |
|---------------------------|--------------------------------|
| Contact Type              | Female Pin                     |
| Center Contact Resistance | 6 MΩ Max                       |
| Outer Contact Resistance  | $\leq 0.2$ MΩ (Milliohms Max.) |
| Contact Termination Style | Solder                         |



Working Voltage & Insulation Resistance Test

|                        |                                        |
|------------------------|----------------------------------------|
| Rated Voltage          | 335 Volts RMS Continuous               |
| Insultation Resistance | ≥5 × 10 <sup>3</sup> MΩ (Megohms MIN.) |



Version History

| REV | Date      | Revise Contents         | Drafter | Approver |
|-----|-----------|-------------------------|---------|----------|
| A.0 | 2026.7.22 | The initial formulation | Esther  | 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.