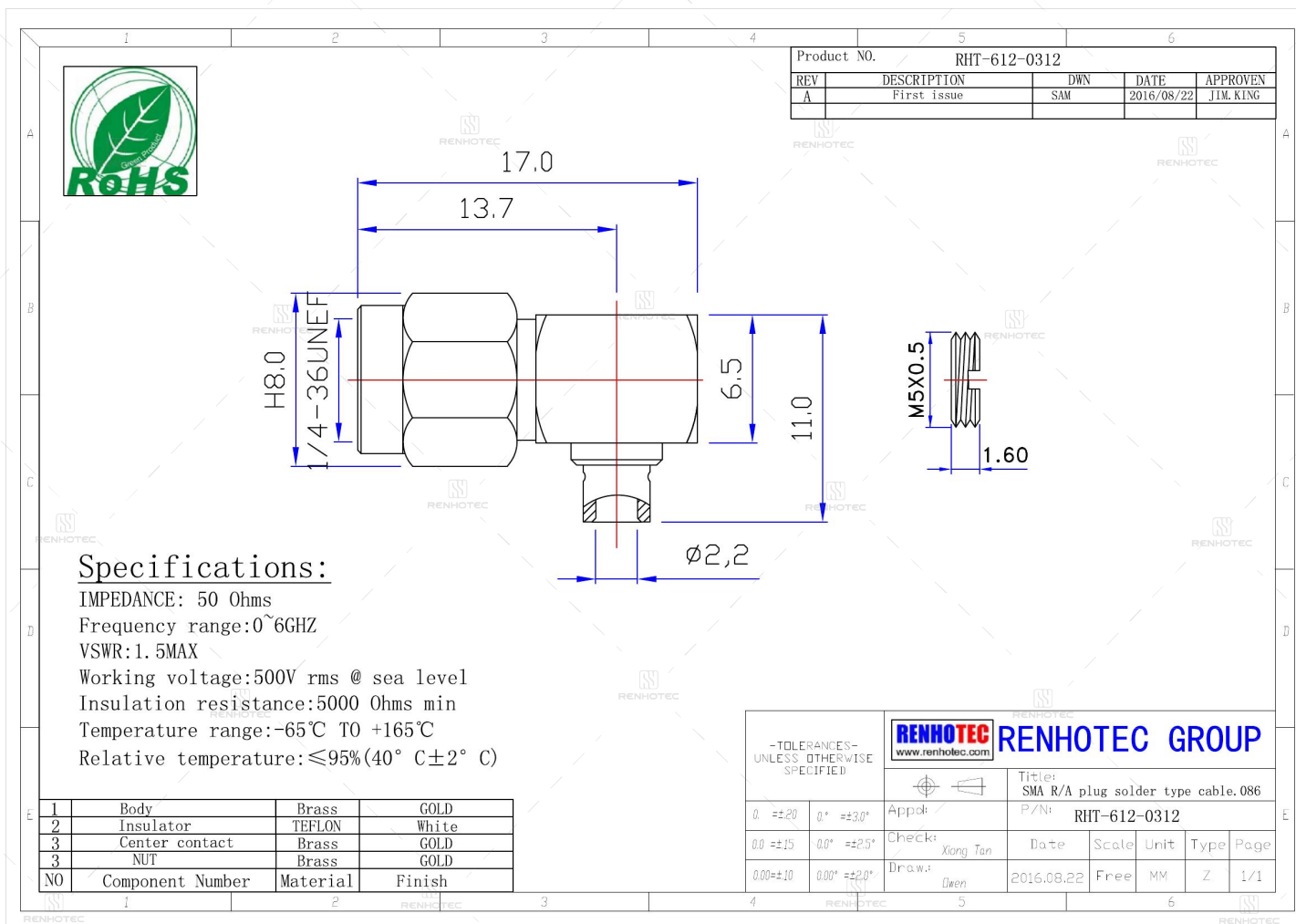


## SMA Connector Plug Right Angle Solder Cable Type - RHT-612-0312



### Drawing



**Basic Information**

|                |                 |
|----------------|-----------------|
| Connector Type | Plug            |
| Fastening Type | 1/4-36 Threaded |
| Mounting Type  | Cable Mount     |
| Orientation    | Right Angle     |

**Environmental Specification**

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

**Mechanical Specification**

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

**Material Specification**

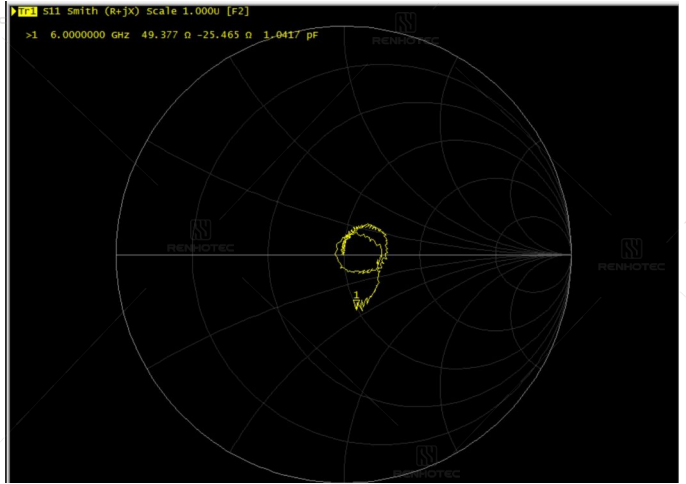
|                    |        |
|--------------------|--------|
| Shield Termination | Solder |
|--------------------|--------|

**Material and Finish**

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

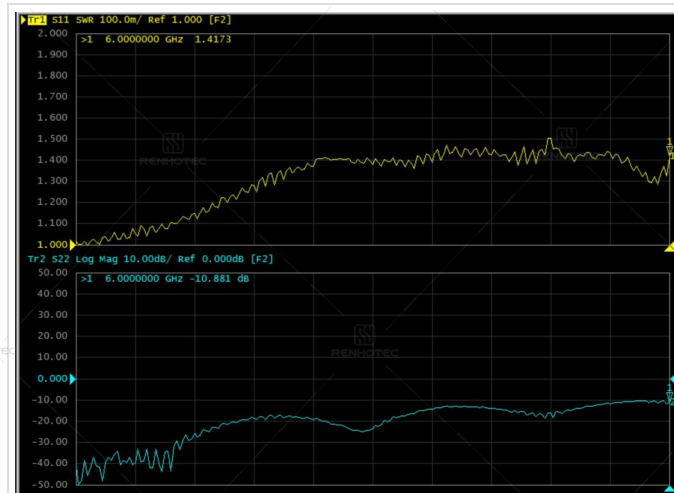
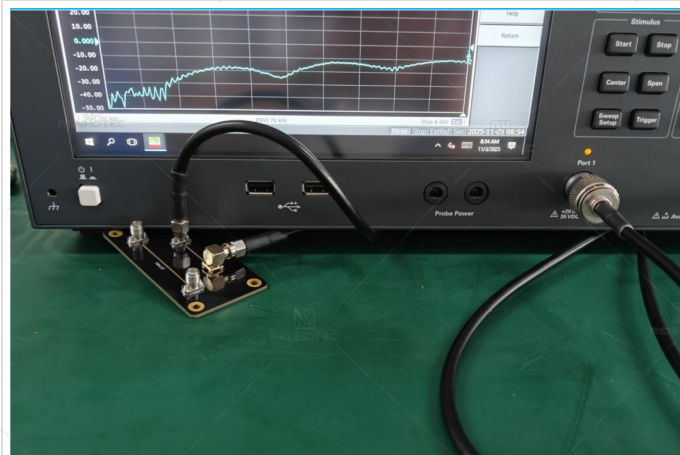
**Impedance Testing**

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



## Frequency & VSWR Test Report

|                 |                      |
|-----------------|----------------------|
| Frequency Range | DC-6GHz              |
| VSWR            | $\leq 1.5\text{MAX}$ |



## Contact Resistance Test

|                           |                                             |
|---------------------------|---------------------------------------------|
| Contact Type              | Male Pin                                    |
| Center Contact Resistance | 6 MΩ Max                                    |
| Outer Contact Resistance  | $\leq 0.2 \text{ M}\Omega$ (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.