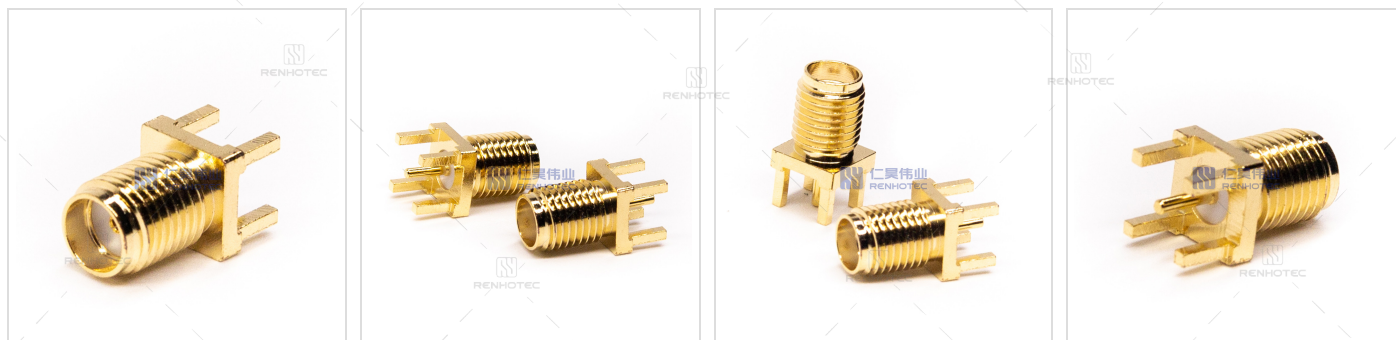
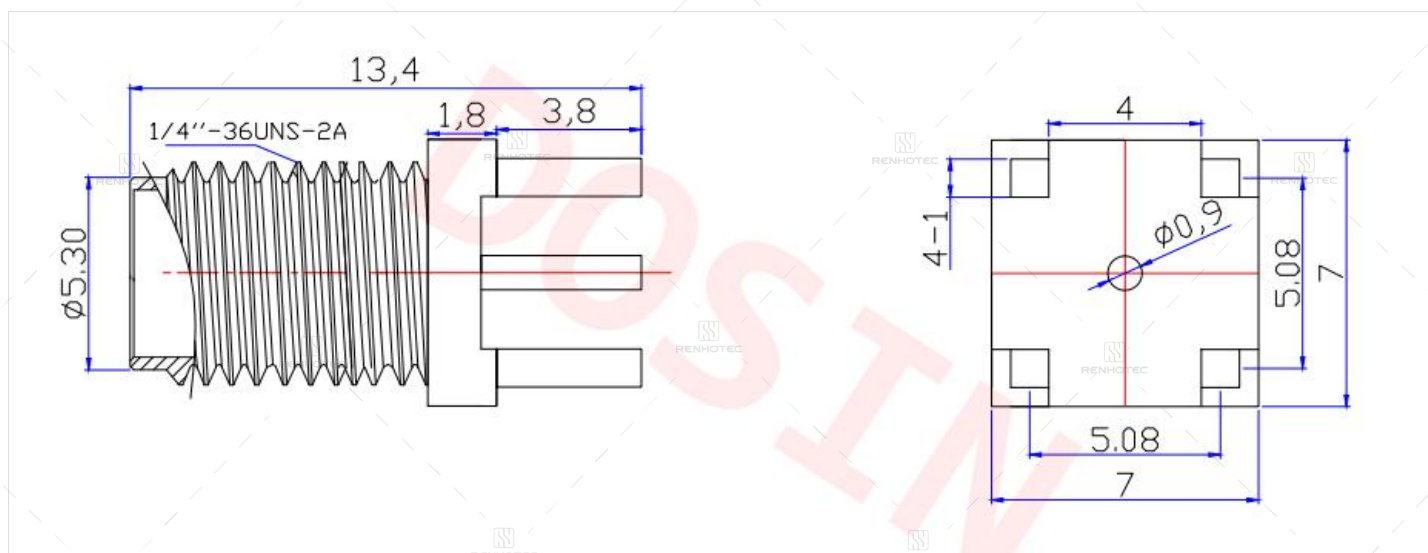


SMA Connector Straight Female Through Hole 50 Ohm - RHT-612-0106



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

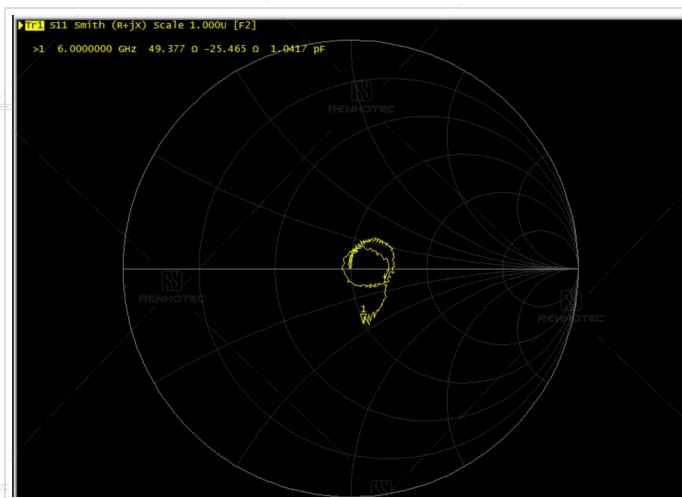
Mating Durability	≥ 500 Cycles
-------------------	--------------

Material and Finish

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

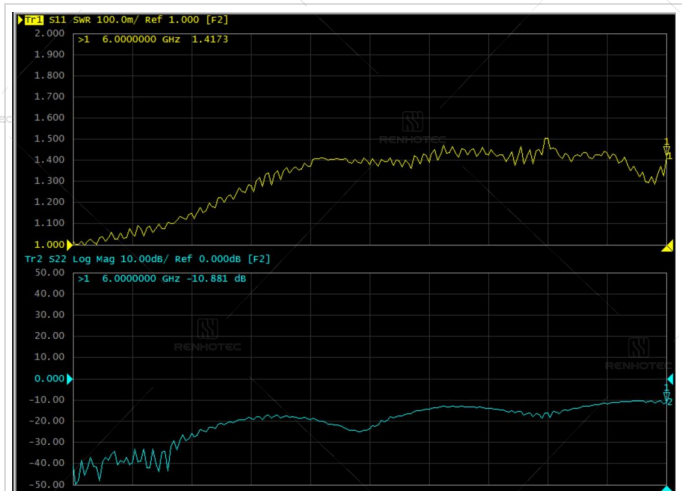
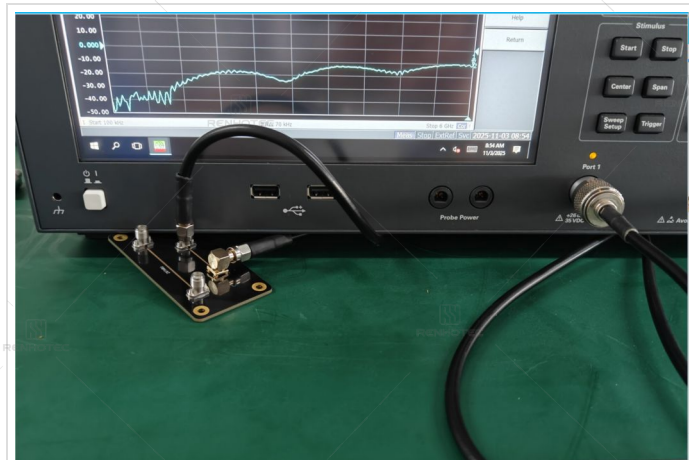
Impedance Testing

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



Frequency & VSWR Test Report

Frequency Range	DC-6GHz
VSWR	≤ 1.3 MAX



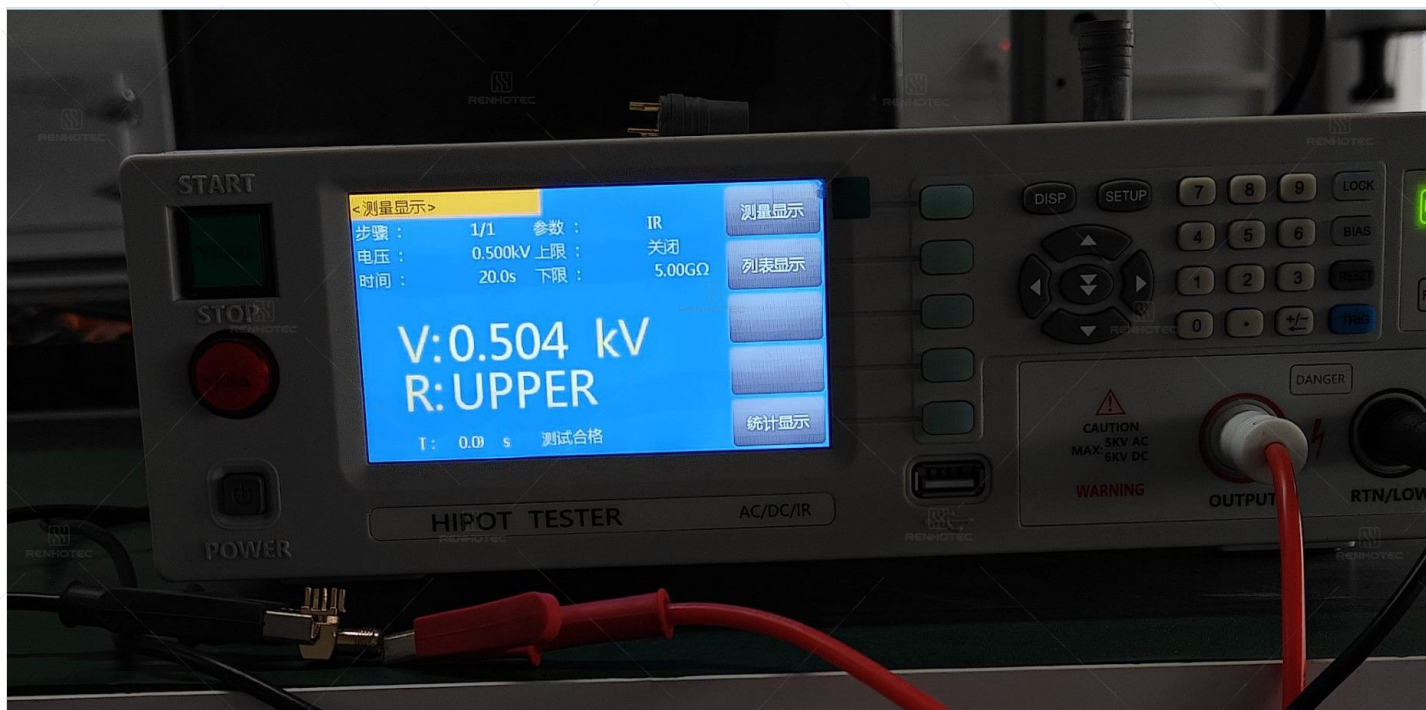
Contact Resistance Test

Contact Type	Female 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	335 Volts RMS Continuous
Insulation Resistance	≥5 × 10 ³ 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.