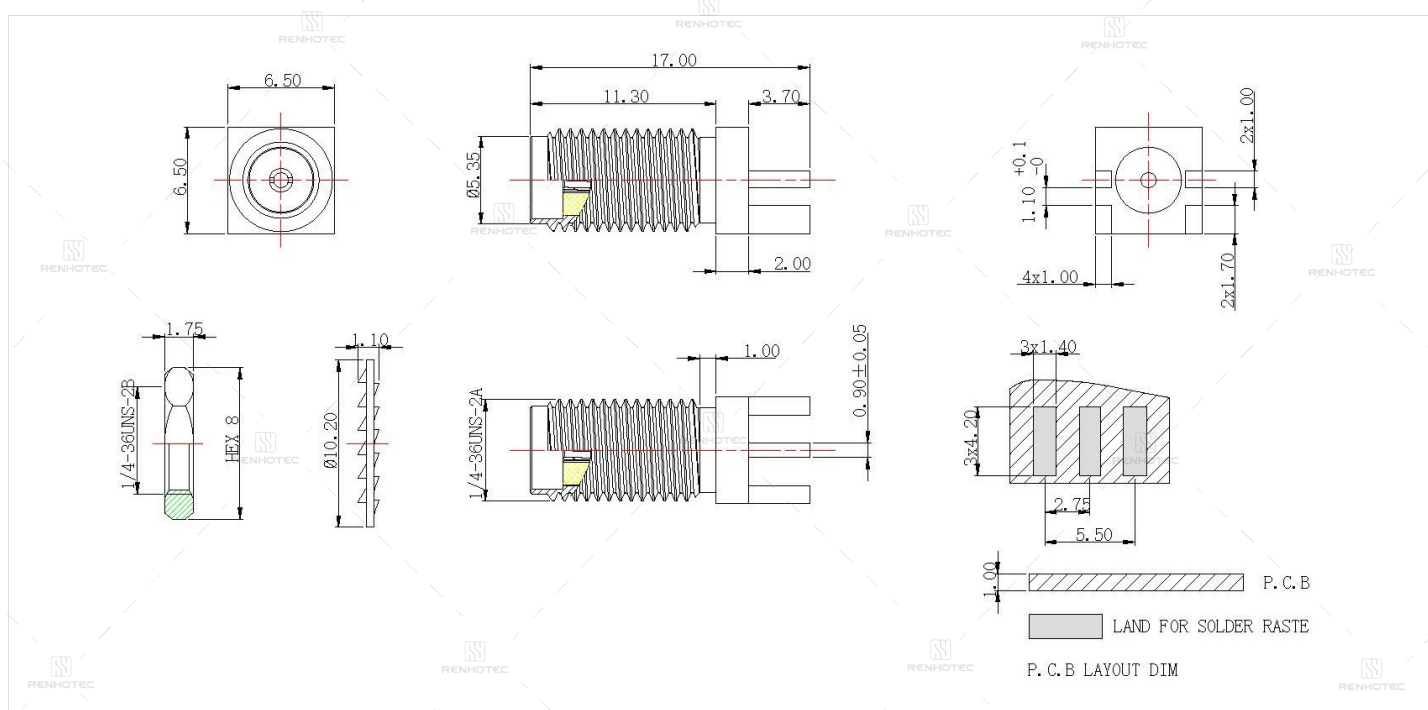


SMA Connector Straight Male Plug PCB Mount 50 Ohm Edge Mount - RHT-612-0006



Drawing



Basic Information	
Connector Type	Jack
Contact Type	Female Pin
Contact Termination Style	Solder
Fastening Type	1/4-36 Threaded
Orientation	Straight
Mounting Type	Edge Mount

Electrical Specification	
Impedance	50 ohm
Frequency Range	DC-6GHz
VSWR	1.5MAX
Operating Voltage	500V rms
Contact Resistance	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	Brass	Gold Plated
Nut	Brass	Gold Plated
Washer	Tron	Gold Plated

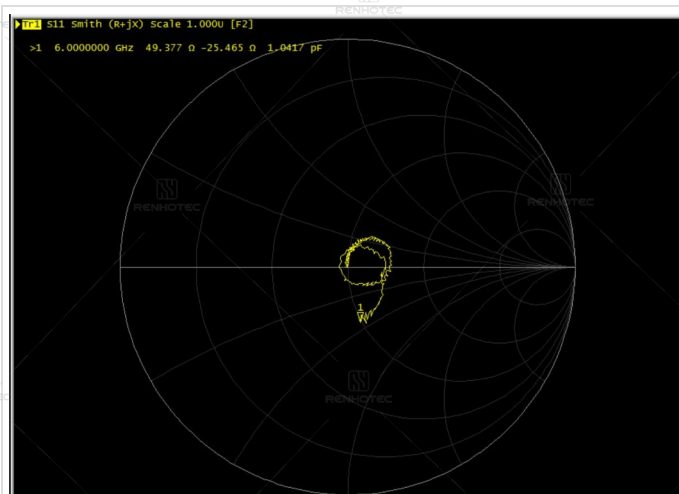
Environmental Specification	
Temperature Range	-65°C to +165°C

Mechanical Specification	
Mating Durability	≥ 500 Cycles

Impedance Testing

Impedance

50 ohm



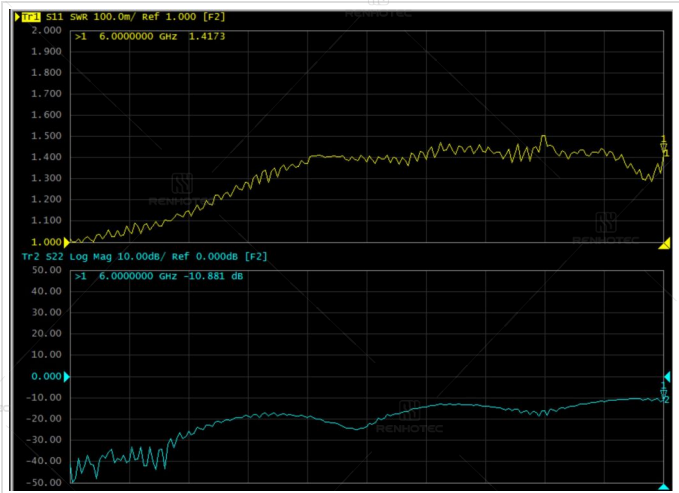
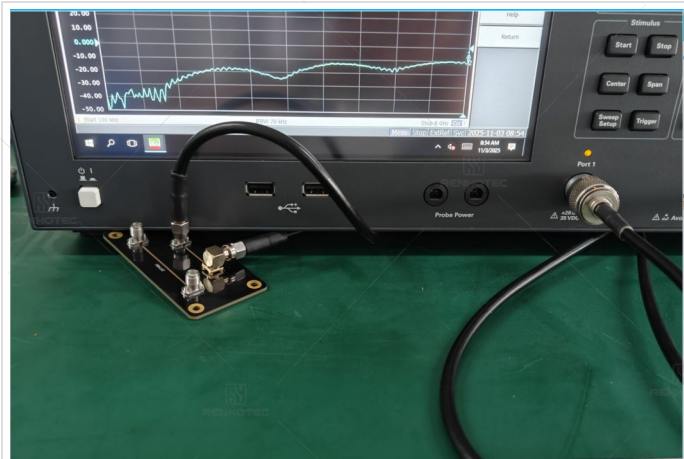
Frequency & VSWR Test Report

Frequency Range

DC-6GHz

VSWR

1.5MAX



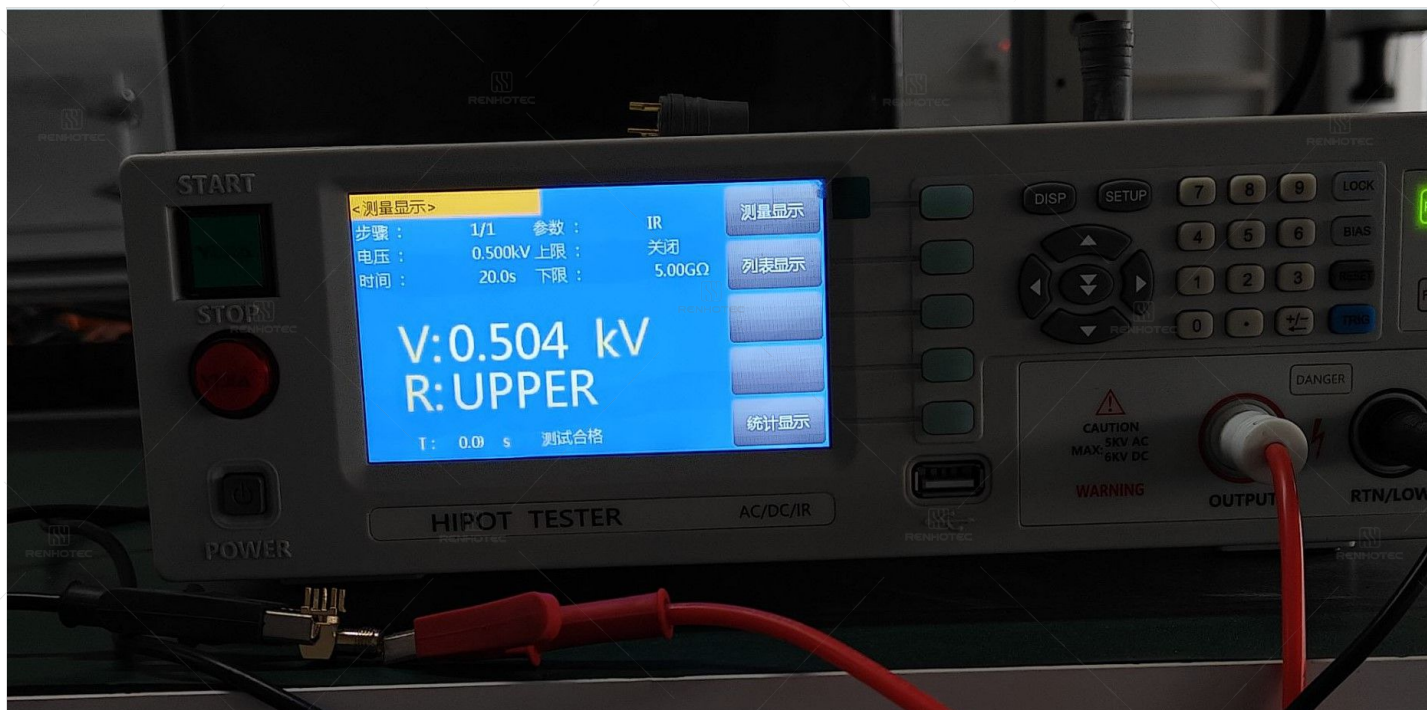
Contact Resistance Test

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
Insulation 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.