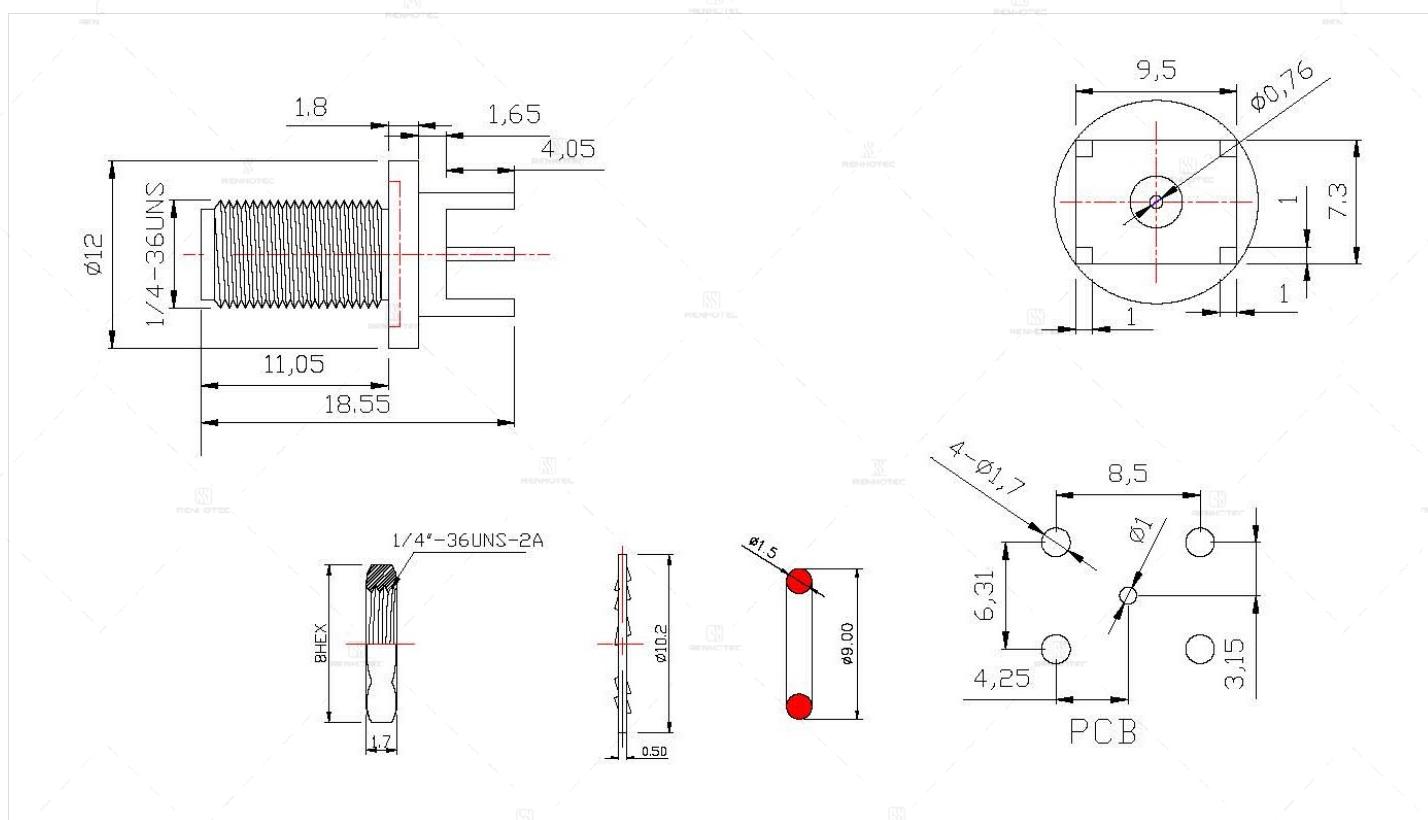


SMA Connector Straight Female Jack PCB Mount Through Hole 50 Ohm - RHT-612-0326



Drawing



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

Electrical Specification	
Impedance	50 ohm
Frequency Range	DC-6GHz
VSWR	R/A type ≤ 1.5MAX, Straight type ≤ 1.3 MAX
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	White
Center Contact	Brass	Gold Plated

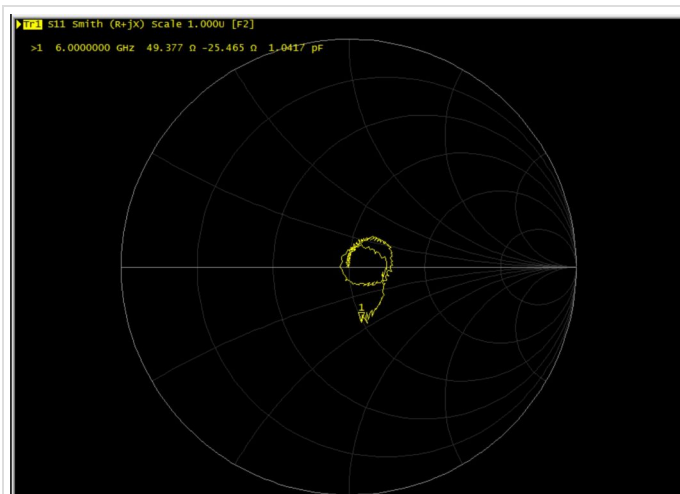
Environmental Specification	
Temperature Range	-65°C to +165°C
IP Rating	IP67

Mechanical Specification	
Mating Durability	≥ 500 Cycles

Impedance Testing

Impedance

50 ohm



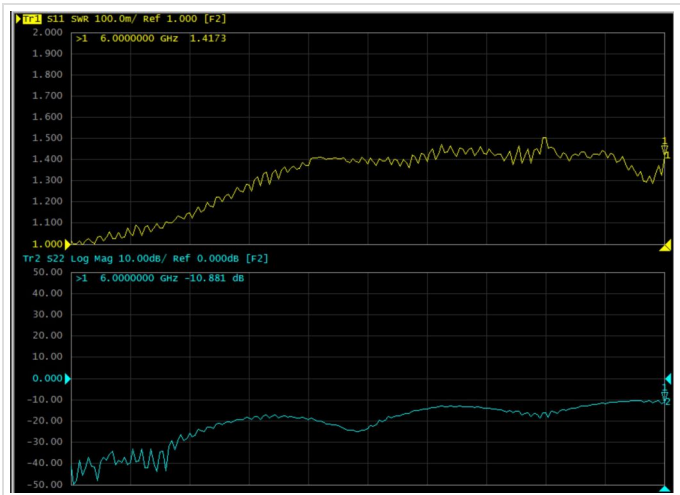
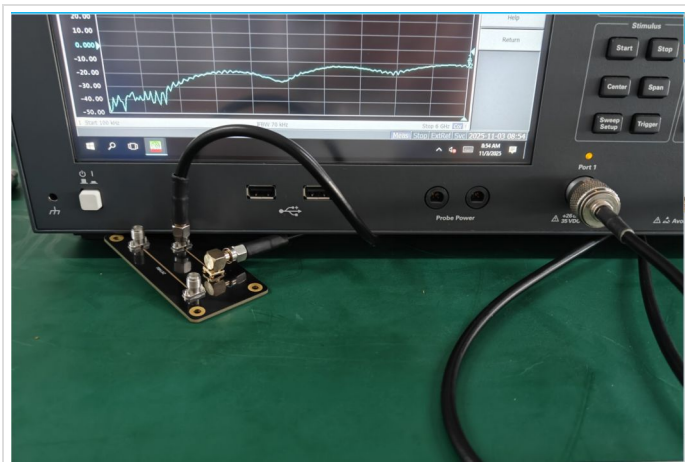
Frequency & VSWR Test Report

Frequency Range

DC-6GHz

VSWR

R/A type $\leq 1.5\text{MAX}$, Straight type $\leq 1.3\text{ MAX}$



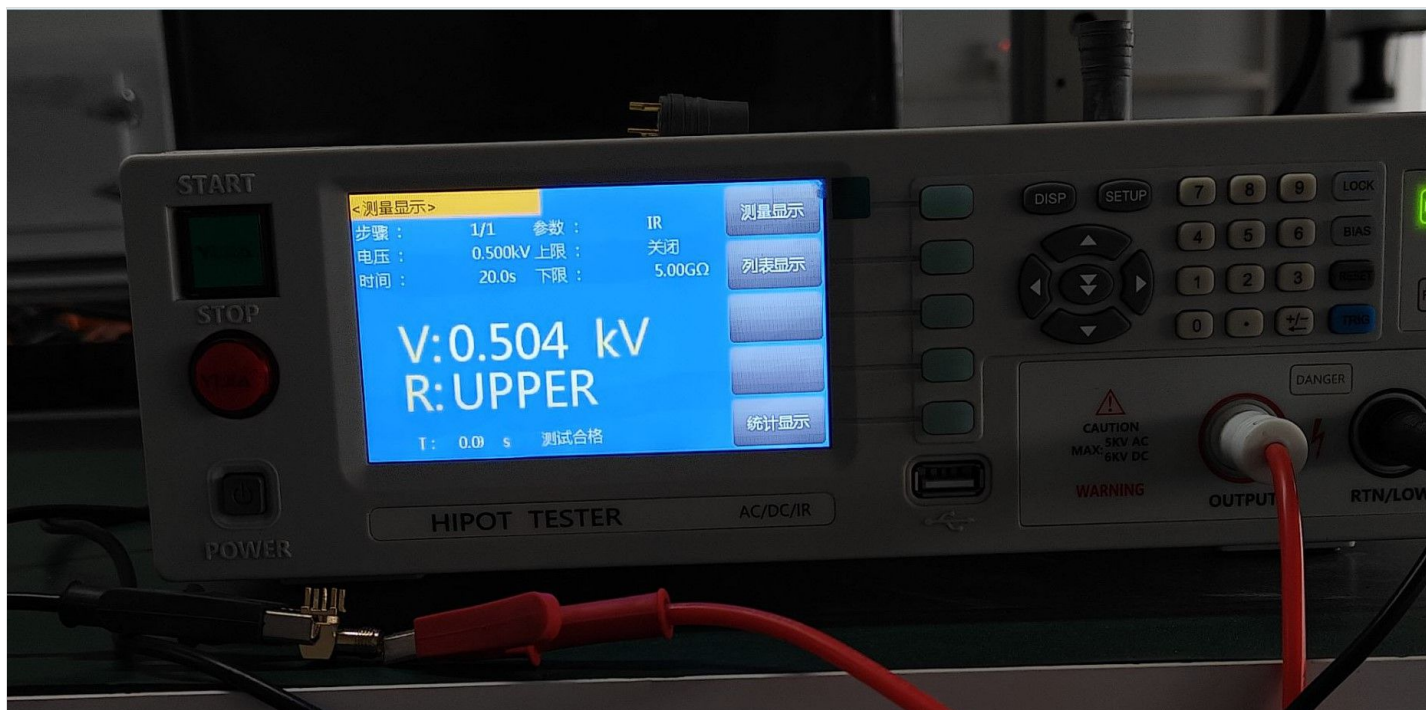
Contact Resistance Test

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
Insultation Resistance	≥5 × 10 ³ MΩ (Megohms 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.