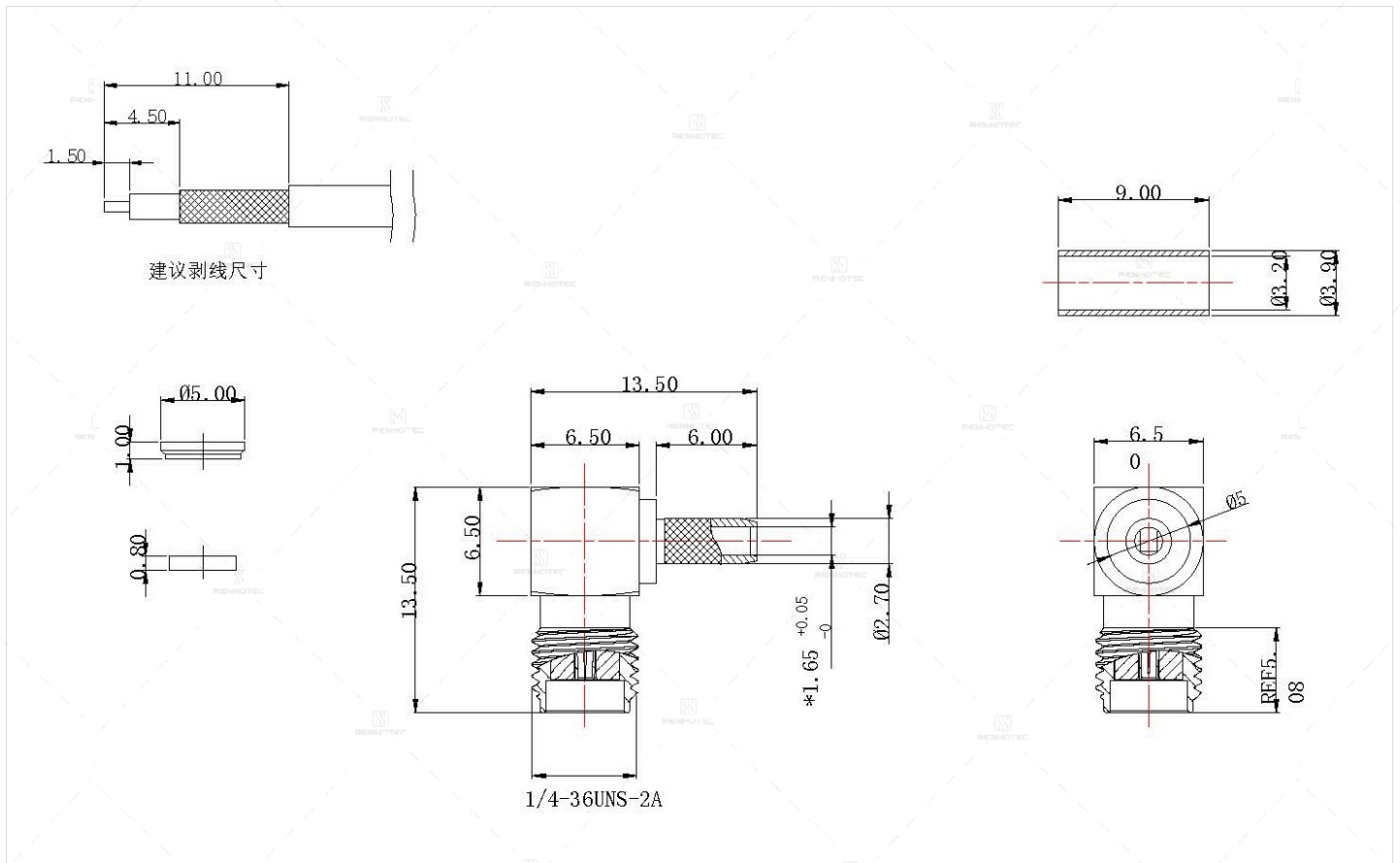


SMA Connector Right Angle Female Jack For RG316 Cable 50 Ohm - RHT-612-6080

Drawing



Basic Information

Connector Type	Jack
Contact Type	Female Pin
Contact Termination Style	Solder
Fastening Type	1/4-36 Threaded
Orientation	Right Angle
Mounting Type	Cable Mount

Electrical Specification

Impedance	50 ohm
Frequency Range	DC-6GHz
VSWR	1.5MAX
Operating Voltage	335V rms
Dielectric Withstanding Voltage	1000 VRMS Min
Contact Resistance	Centre Contact: 6mΩ Max Outer Contact: $\leq$ 0.2 MΩ (Milliohms Max.)

Material and Finish

Component Description	Material	Finish
Shell	Brass	Gold Plated
Insulator	PTFE	
Center Contact	Brass	Gold Plated
Copper Tube	Brass	Nickel Plated
Back Cover	Brass	Gold Plated
Insulating Gasket	PTFE	

Environmental Specification

Temperature Range	-55°C to +155°C
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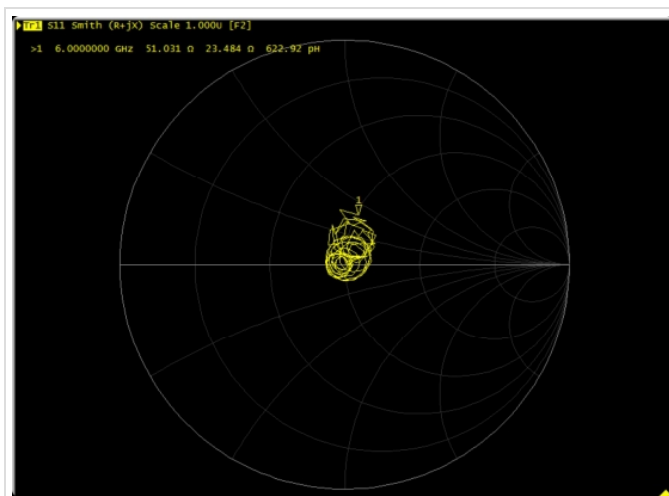
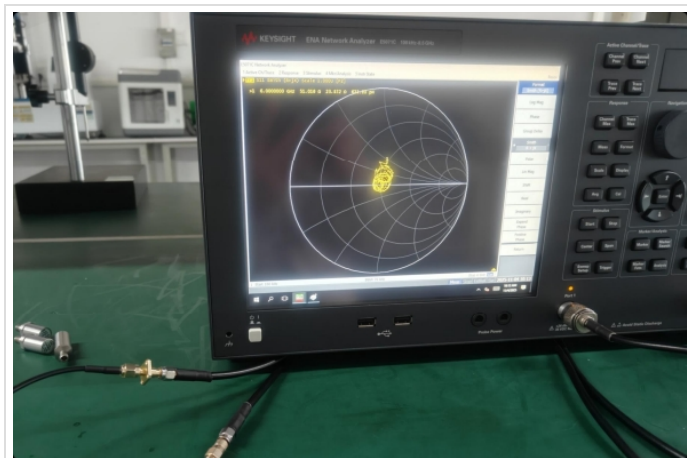
Mechanical Specification

Mating Durability	$\geq$ 500 Cycles
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Impedance Testing

Impedance

50 ohm



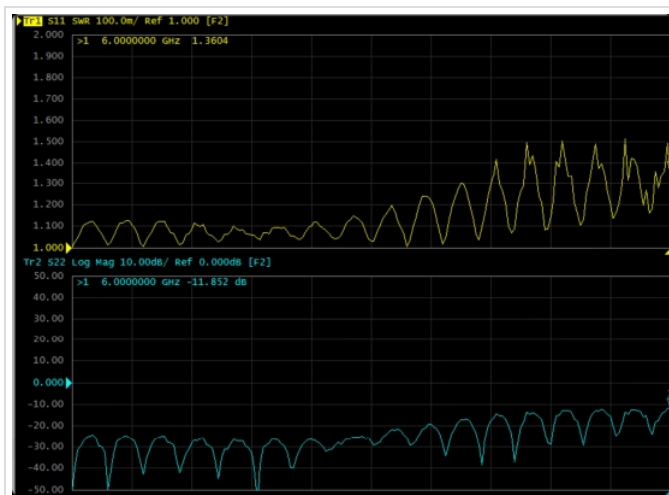
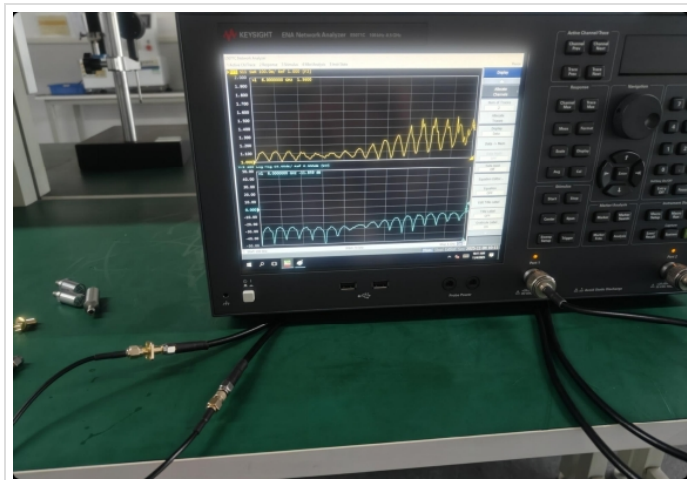
Frequency & VSWR Test Report

Frequency Range

DC-6GHz

VSWR

1.5MAX



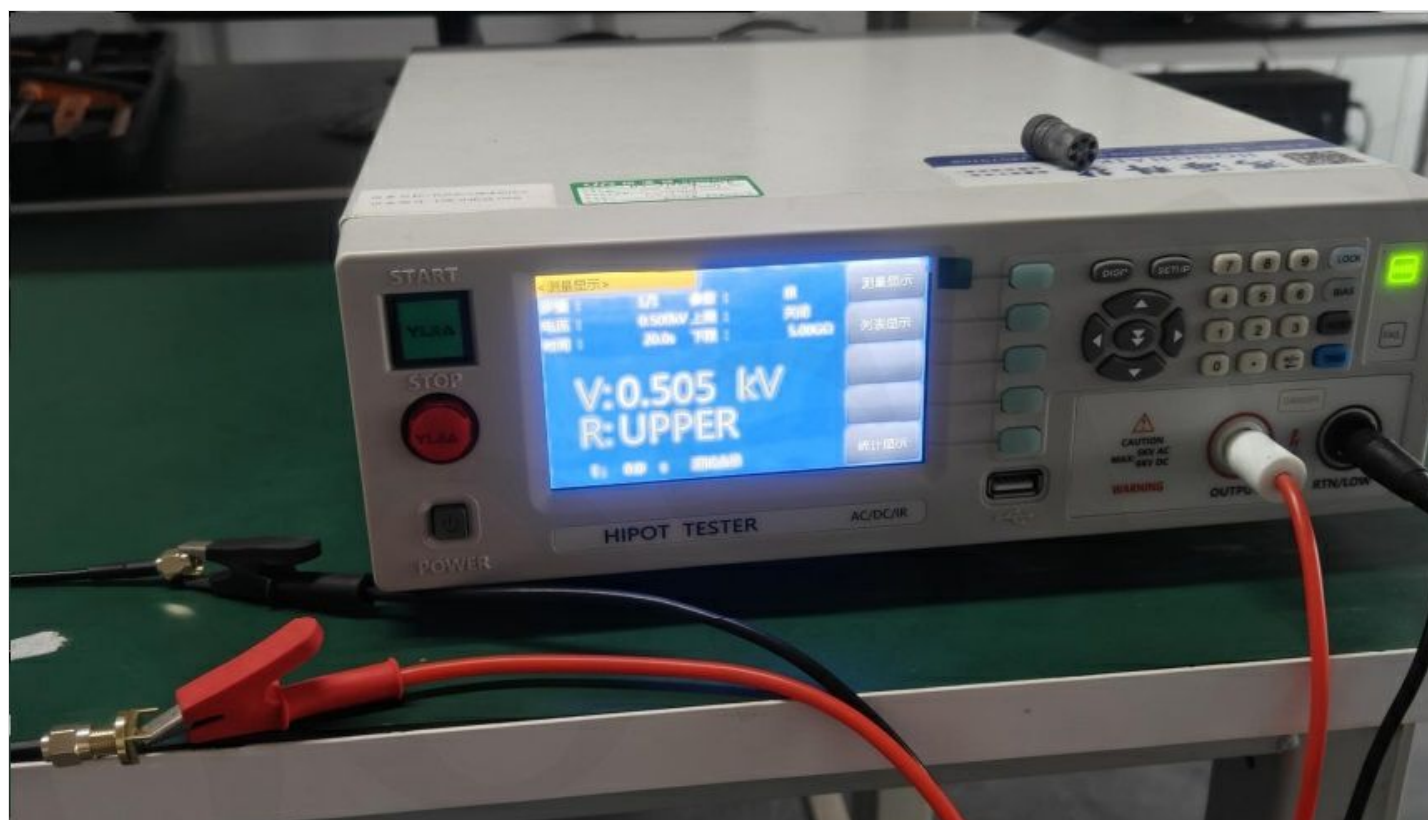
Contact Resistance Test

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	335V 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.