

SMA Connector Straight Jack Female Pin Panel Mount SMT - RHT-612-0382



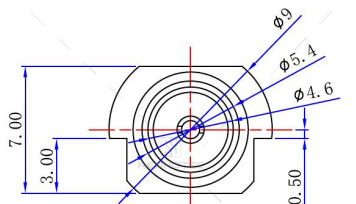
Drawing

1	2	3	4	5	6
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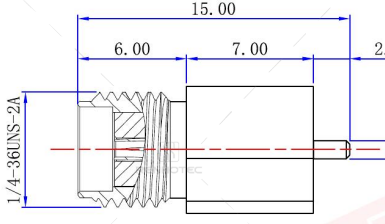


RENHOTECH

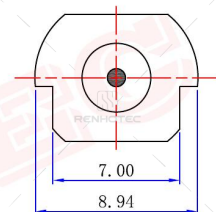
Product NO.		RHT-612-0382		
ISSUE	DESCRIPTION	DWN	DATE	APPROVEN
R1.0	First issue	Mr chen	2017/11/13	JIM. KING
R2.0	Increase PCB Layout	Gavin	2020/06/30	JIM. KING



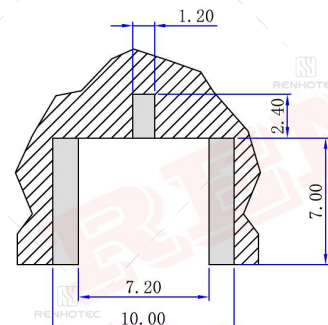
Top View



Side View



Front View



PCB Layout

Specifications:

IMPEDANCE: 50 Ohms

Frequency range: 0~6GHz

VSWR: 1.5MAX

Working voltage: 500V rms @ sea level

Insulation resistance: 5000 Ohms min

Temperature range: -55°C TO +165°C

3	Center contact	BRASS	AU: 1-3u"	1
2	INSULATOR	PTFE	NATURE	1
1	BODY	BRASS	AU: 1-3u"	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

-TOLERANCES- UNLESS OTHERWISE SPECIFIED		RENHOTECH GROUP	
UNLESS OTHERWISE SPECIFIED TOLERANCES FOR MILLIMETERS ARE: 0.5 - 8mm ± 0.20mm 8 - 30mm ± 0.25mm 30 - 120mm ± 0.30mm		PART DESCRIPTION: SMA JACK FOR PCB P/N: RHT-612-0382	
		Appr: JIM. KING Check: Date Scale Unit Type Page Draw: Gavin 2020.06.30 Free MM Z 1/1	

Basic Information

Connector Type	Jack
Fastening Type	1/4-36 Threaded
Mounting Feature	SMT
Mounting Type	Panel Mount
Orientation	Straight

Environmental Specification

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

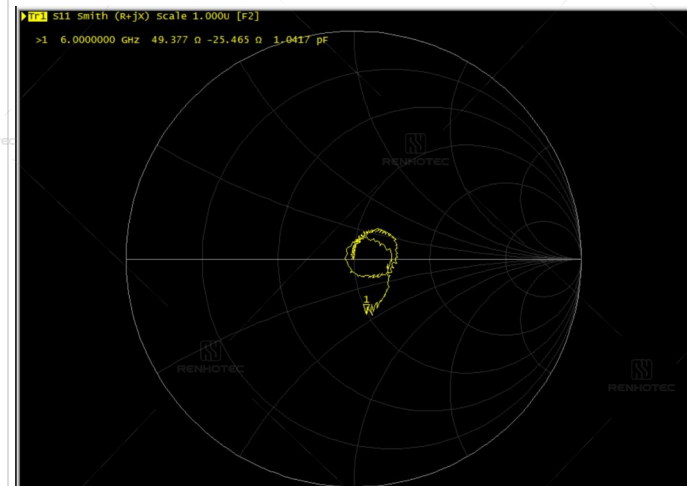
Mating Durability	≥ 500 Cycles
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Material and Finish

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

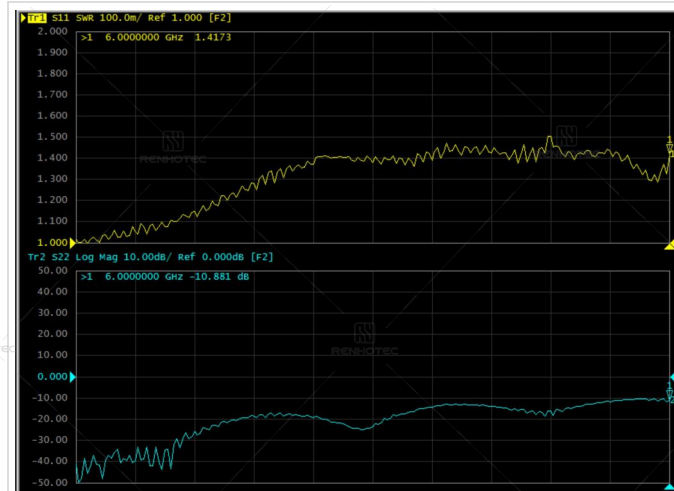
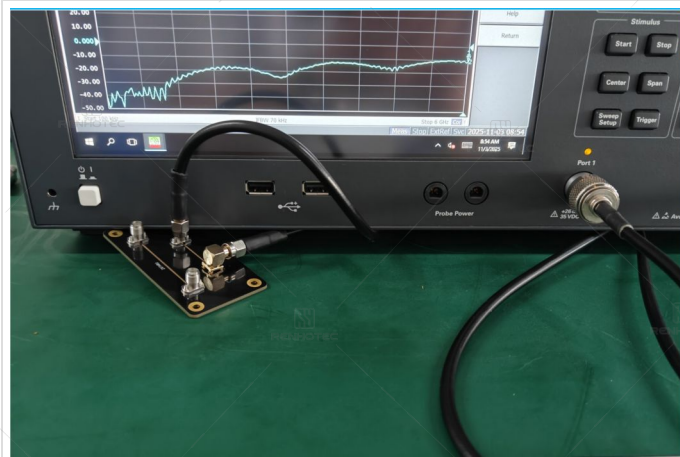
Impedance Testing

Impedance	50 ohm
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Frequency & VSWR Test Report

Frequency Range	DC-6GHz
VSWR	≤ 1.3 MAX



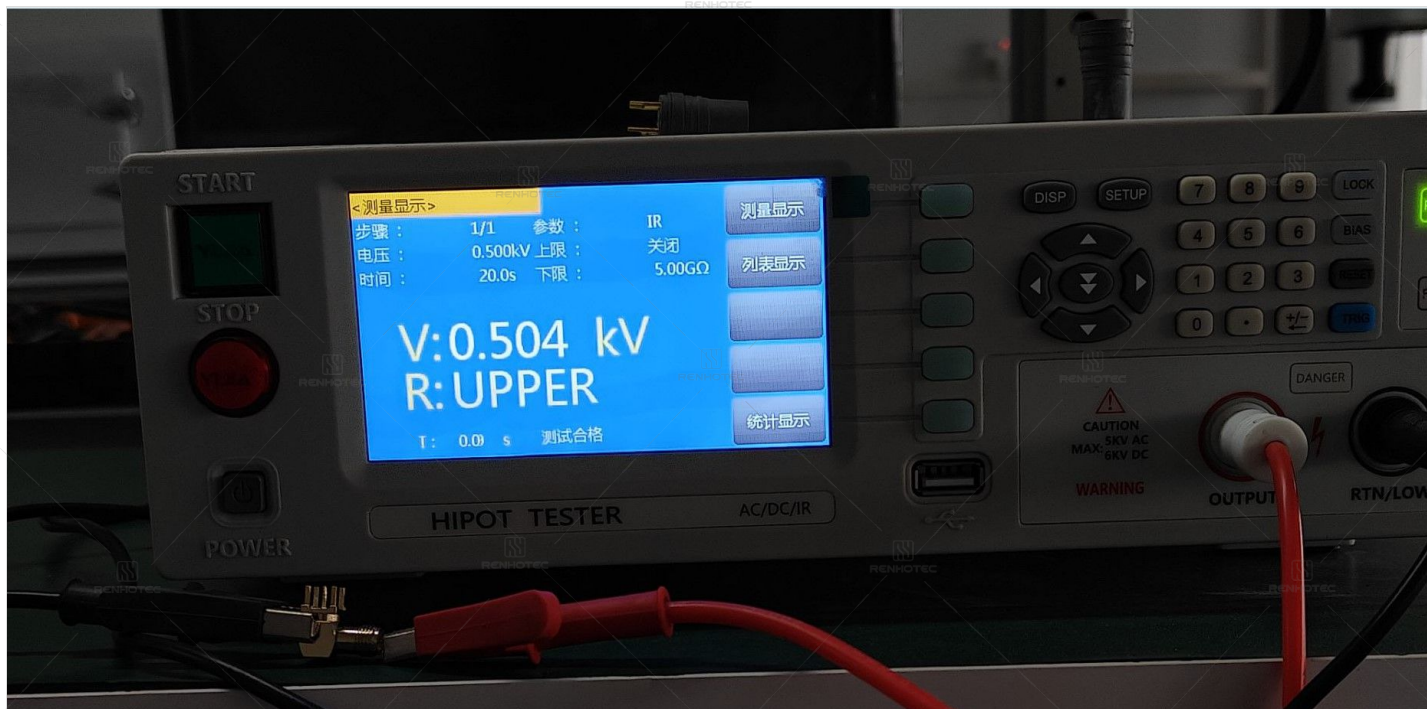
Contact Resistance Test

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	$\geq 5 \times 10^3 \text{ M}\Omega$ (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.