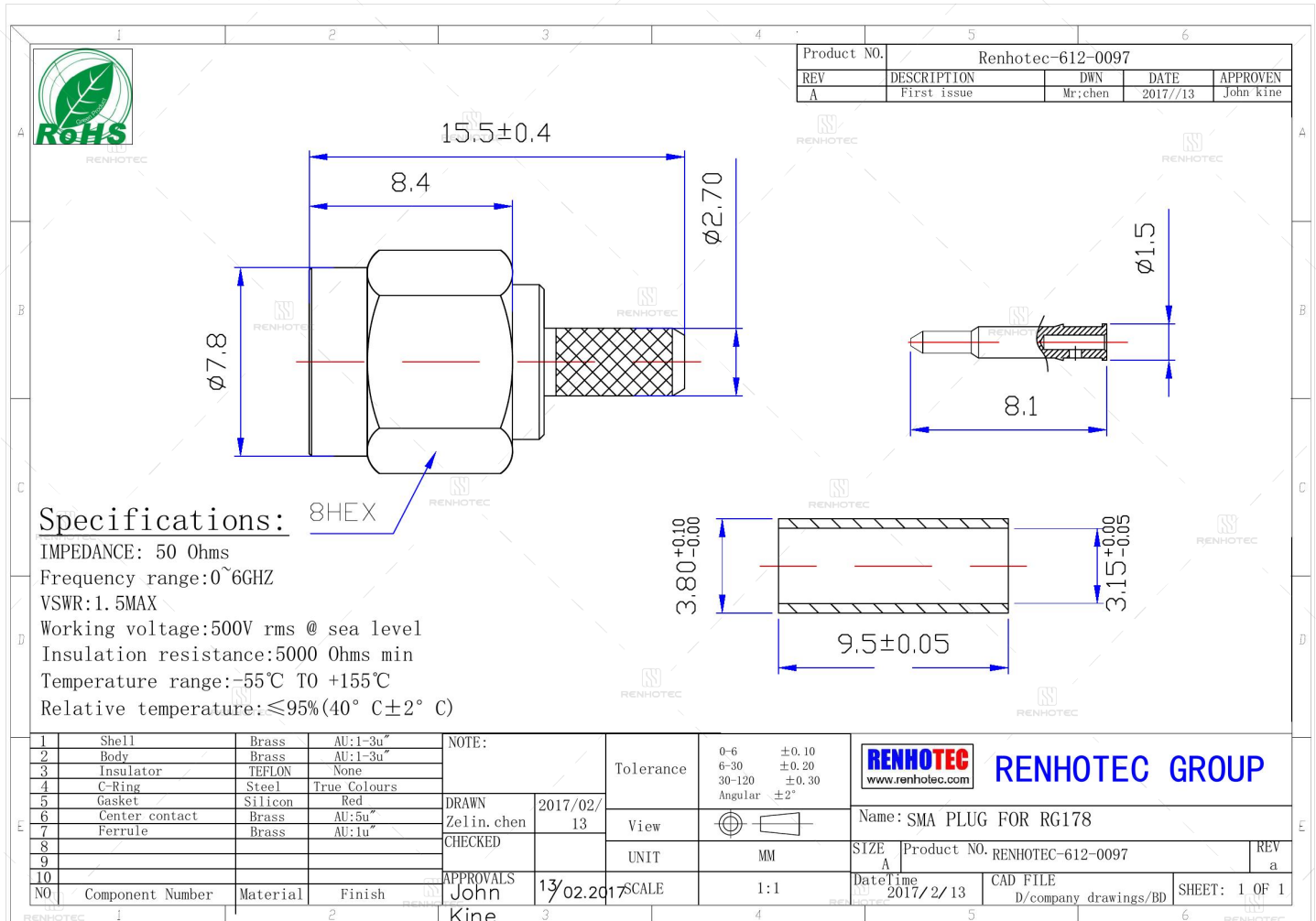


SMA Connector Cable type Straight Male Crimp RG178 - RHT-612-0097



Drawing



Basic Information

Connector Type	Plug
Fastening Type	1/4-36 Threaded
Mounting Type	Cable 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 Specification

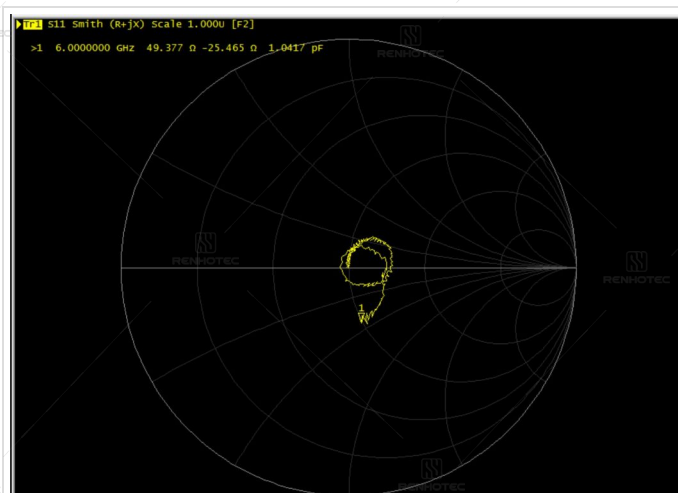
Shield Termination	Crimp
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Material and Finish

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

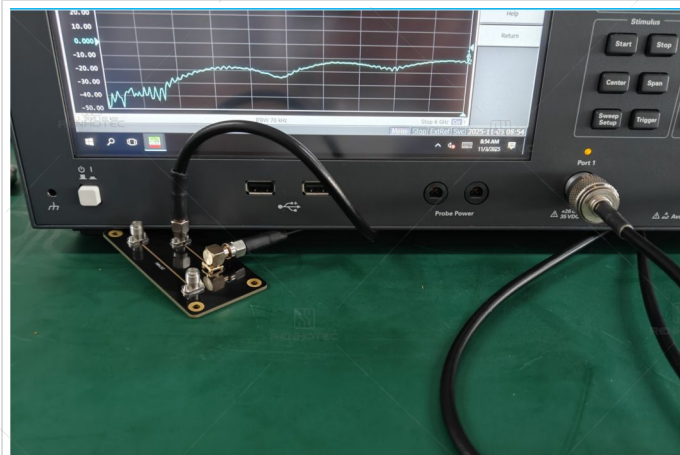
Impedance Testing

Impedance	50 ohm
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Frequency & VSWR Test Report

Frequency Range	DC-6GHz
VSWR	≤ 1.3 MAX



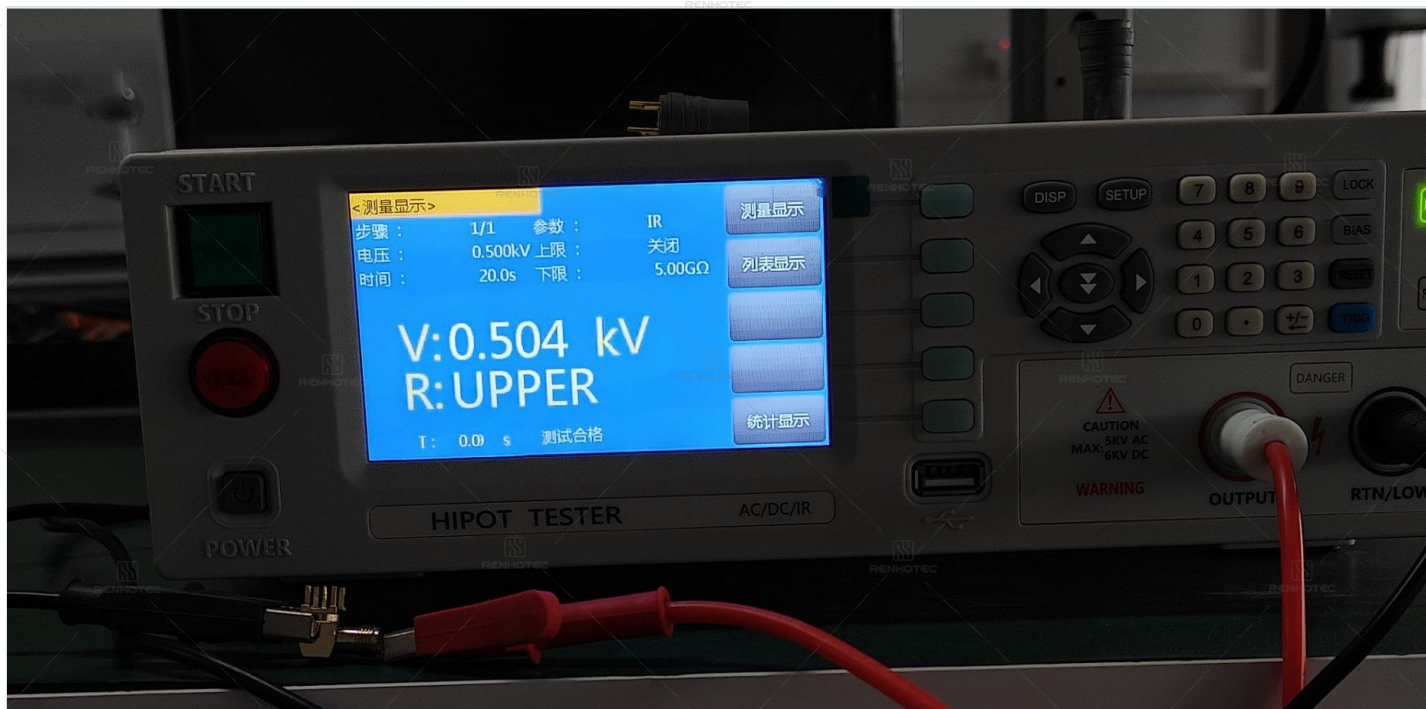
Contact Resistance Test

Contact Type	Male Pin
Center Contact Resistance	6 MΩ Max
Outer Contact Resistance	≤ 0.2 MΩ (Milliohms Max.)
Contact Termination Style	Crimp



Working Voltage & Insulation Resistance Test

Rated Voltage	335 Volts RMS Continuous
Insultation 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.