

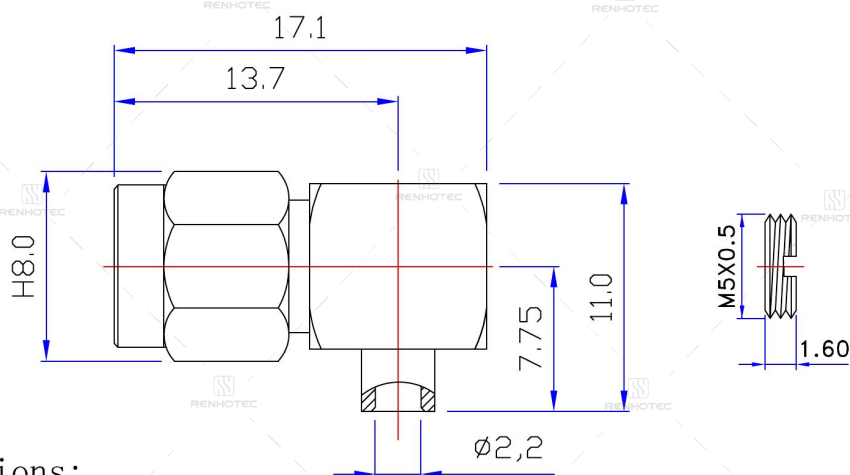
SMA Connector Right Angle Male Solder Cable Type 50 Ohm - RHT-612-0311



Drawing



Product NO.		RHT-612-0311		
REV	DESCRIPTION	DWN	DATE	APPROVEN
A	First issue	SAM	2016/08/22	JIM.KING



Specifications:

IMPEDANCE: 50 Ohms
Frequency range: 0~6GHz
VSWR: 1.5MAX
Working voltage: 500V rms @ sea level
Insulation resistance: 5000 Ohms min
Temperature range: -65℃ TO +165℃
Relative temperature: ≤95%(40℃ ±2℃)

1	Body	Brass	GOLD
2	Insulator	TEFLON	White
3	Center contact	Brass	GOLD
3	NUT	Brass	GOLD
NO	Component Number	Material	Finish

-TOLERANCES- UNLESS OTHERWISE SPECIFIED		 RENHOTEC GROUP	
		Title: SMA R/A plug solder type cable.086	
Q. ±20	Q*. ±30°	Appr: ✓	P/N: RHT-612-0311
0.0 ±15	0.0* ±25°	Check: <i>Xiong Tan</i>	Date
0.00±10	0.00* ±20°	Draw: <i>Ben</i>	Scale
			Unit
			Type
			Page
		2016.08.22	Free
			MM
			Z
			1/1

Basic Information

Connector Type	Plug
Fastening Type	1/4-36 Threaded
Mounting Type	Cable Mount
Orientation	Right Angle

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

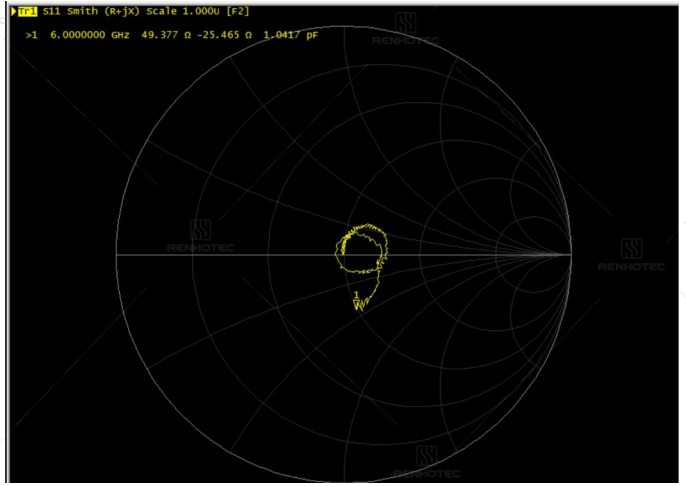
Shield Termination	Solder
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Material and Finish

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

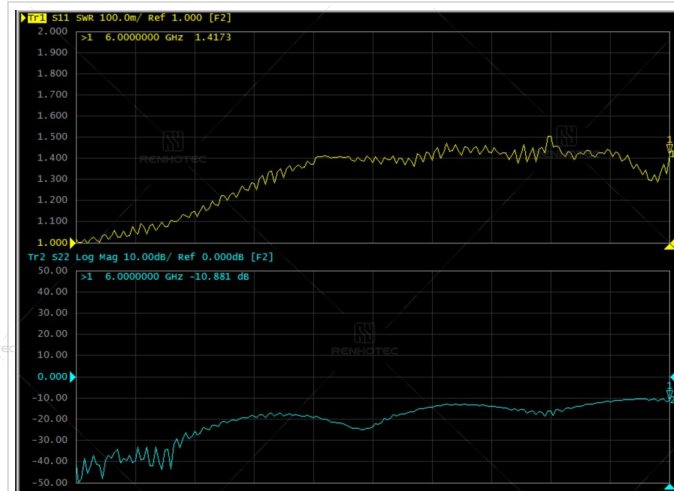
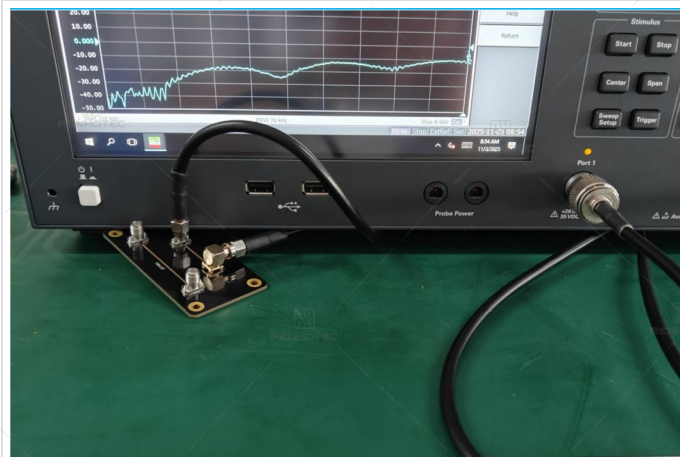
Impedance Testing

Impedance	50 ohm
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Frequency & VSWR Test Report

Frequency Range	DC-6GHz
VSWR	$\leq 1.5\text{MAX}$



Contact Resistance Test

Contact Type	Male Pin
Center Contact Resistance	6 MΩ Max
Outer Contact Resistance	$\leq 0.2 \text{ M}\Omega$ (Milliohms Max.)
Contact Termination Style	Solder



Working Voltage & Insulation Resistance Test

Rated Voltage	335 Volts RMS Continuous
Insultation Resistance	≥5 × 10³MΩ (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.