

**N Type Connector Male Straight Solder Cable Type 50ohm - RHT-614-0203**



**Drawing**

				Product NO. RHT-614-0203	
REV		DESCRIPTION		DNW	DATE
A		First issue		Gavin	2018/03/12
		APPROVEN		JIM.KING	

**Specifications**  
 Impedance: 50 Ohms  
 Frequency Range: 0-11G  
 VSWR: 1.3MAX  
 Working Voltage: 1000 VRMS(max at sea level)  
 Dielectric Withstanding Voltage: 1500 vrms(max at sea level)  
 Insulation Resistance: 5000 Ohms min  
 Durability Mating: 500 Cycles min  
 Temperature Range: -65°C TO +165°C

3	PIN	BRASS	GOLD	1
2	INSURATON	TEFLON	RED	1
1	BODY	BRASS	NICKEL	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

-TOLERANCES- UNLESS OTHERWISE SPECIFIED		<b>RENHOTEC</b> www.renhotec.com		<b>RENHOTEC GROUP</b>	
UNLESS OTHERWISE SPECIFIED TOLERANCES FOR MILLIMETERS ARE: 0.5 - 8mm ± 0.20mm 8 - 30mm ± 0.40mm 30 - 120mm ± 0.50mm		Appd: JIM.KING		PART DESCRIPTION: N PLUG CONNECTORS	
Check:		Date	Scale	Unit	Page
Draw: Gavin		2018/03/12	Free	MM	1/1

## Basic Information

Connector Type	Plug
Contact Termination Style	Solder
Fastening Type	Threaded
Mounting Type	Cable Mount
Number of Ports	1
Orientation	Straight
Shield Termination	Solder

## Mechanical Specification

Contact Retention	6 lbs min.
Coupling Nut Retention	30 in-lbs. MIN
Mating Durability	≥ 500 Cycles

## Environmental Specification

Corrosion Resistance	MIL-STD-202 Meth. 101
Ingress Protection	IP65
Operating Temperature	-65°C to +165°C
Vibration	MIL-STD-202 Meth. 204

## Electrical Specification

Dielectric Withstanding Voltage	2500 V rms
Withstand Voltage	1500V RMS Max

## Material and Finish

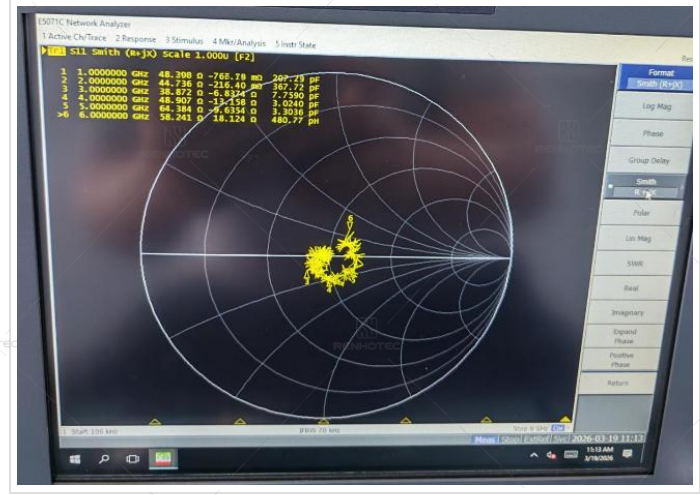
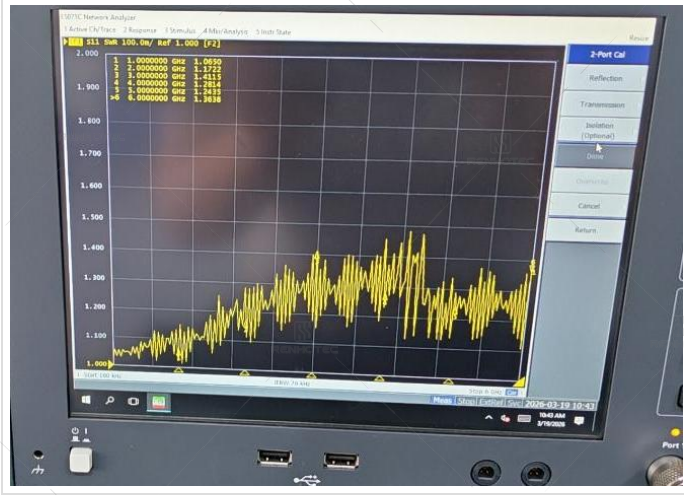
Component Description	Material	Finish
Shell	Copper Alloy	Nickel Plated
Insulator	Teflon White	
Contact	Brass	Gold Plated

## Impedance Testing

Impedance	50Ω
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**Frequency & VSWR Test Report**

Frequency Range	DC-11 GHz
VSWR	R/A type ≤ 1.5MAX, Straight type ≤ 1.3 MAX



**Contact Resistance Test**

Contact Type	Male Pin
Center Contact Resistance	≅ 1.0 MΩ (Milliohms Max.)
Outer Contact Resistance	≅ 0.2 MΩ (Milliohms Max.)



**Working Voltage & Insulation Resistance Test**

Working Voltage	1000 V rms
Insulation Resistance	$\geq 5 \times 10^3 M\Omega$ (Megohms MIN.)



**Version History**

REV	Date	Revise Contents	Drafter	Approver
A.0	2026.6.18	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.