

N Type Connector Jack Straight Solder Panel Mount 4 Hole Flange 50ohm - RHT-614-0234



Drawing

		Product NO.		RHT-614-0234		
		REV	DESCRIPTION	DWN	DATE	APPROVEN
		R1.0	First issue	Gavin	2022/09/15	JIM.KING
		R2.0	Connector size changes	Gavin	2022/11/07	JIM.KING

Specifications
 Impedance: 50 Ohms
 Frequency Range: 0-6G
 VSWR: 1.5MAX
 Working Voltage: 1000 VRMS (max at sea level)
 Dielectric Withstanding Voltage: 1500 vrms (max at sea level)
 Insulation Resistance: 5000 MOhms min
 Durability Mating: 500 Cycles min
 Temperature Range: -55°C TO +155°C

NO	DESCRIPTION	MATERIAL	FINISH	QTY
3	CENTER PIN	BRASS	GOLD PLATED	1
2	INSUKATON	PTFE	NONE	1
1	BODY	BRASS	NICKEL PLATED	1

-TOLERANCES- UNLESS OTHERWISE SPECIFIED		RENHOTEC GROUP	
Appd: JIM.KING Check: JIM.KING Draw: Gavin		PART DESCRIPTION: N Female 4-Hole For Cable P/N: RHT-614-0234	
UNLESS OTHERWISE SPECIFIED TOLERANCES FOR MILLIMETERS ARE: 0.5 - 3mm ± 0.20mm 3 - 8mm ± 0.25mm 8 - 120mm ± 0.30mm		Date	2022.11.07
Scale	Unit	Type	Page
Free	MM	Z	1/1

Basic Information

Connector Type	Jack
Contact Termination Style	Solder
Fastening Type	Threaded
Mounting Feature	4 Hole Flange
Mounting Type	Panel 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

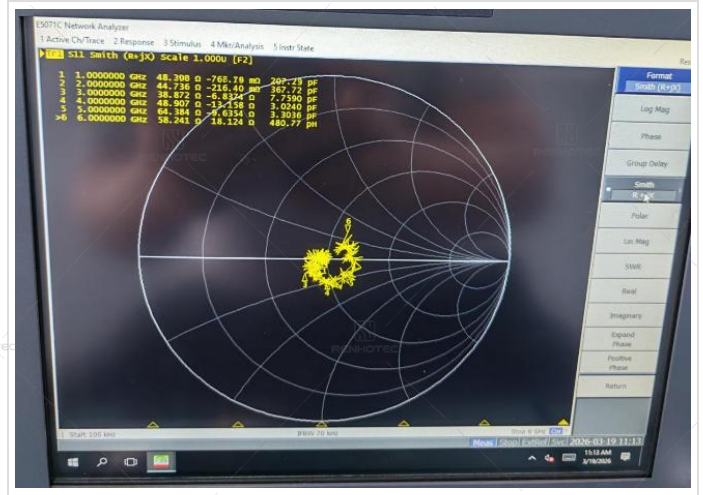
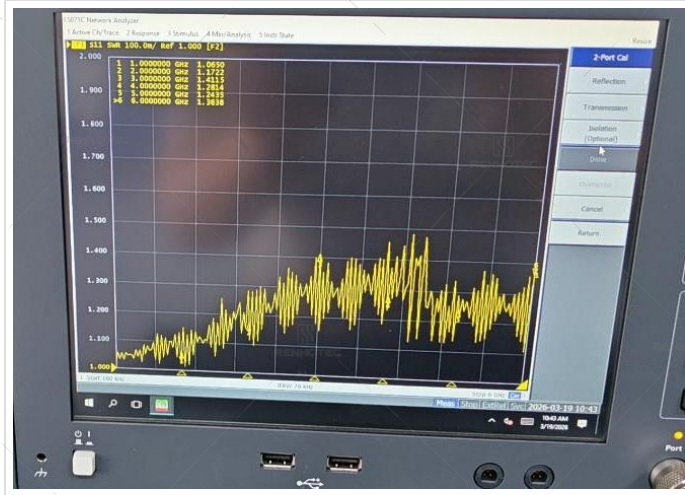
Component Description	Material	Finish
Shell	Copper Alloy	Nickel Plated
Insulator	Teflon White	
Contact	Brass	Gold Plated

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	Female 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.