

**N Type Connector Jack Straight Clamp Cable Type 50ohm - RHT-614-0196**



**Drawing**

				Product NO. RHT-614-0196	
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	WHITE	1
1	BODY	BRASS	NICKEL	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

-TOLERANCES- UNLESS OTHERWISE SPECIFIED		<b>RENHOTEK</b> www.renhotec.com <b>RENHOTEK GROUP</b>	
Appd: JIM.KING Check: Gavin Draw: Gavin		PART DESCRIPTION: N JACK CONNECTORS P/N: RHT-614-0196 Date: 2018/03/12 Scale: Free Unit: MM Type: Z Page: 1/1	

**Basic Information**

<b>Connector Type</b>	Jack
<b>Fastening Type</b>	Threaded
<b>Mounting Type</b>	Cable Mount
<b>Number of Ports</b>	1
<b>Orientation</b>	Straight
<b>Shield Termination</b>	Clamp

**Mechanical Specification**

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

**Environmental Specification**

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

**Electrical Specification**

<b>Dielectric Withstanding Voltage</b>	2500 V rms
<b>Withstand Voltage</b>	1500V RMS Max

**Material and Finish**

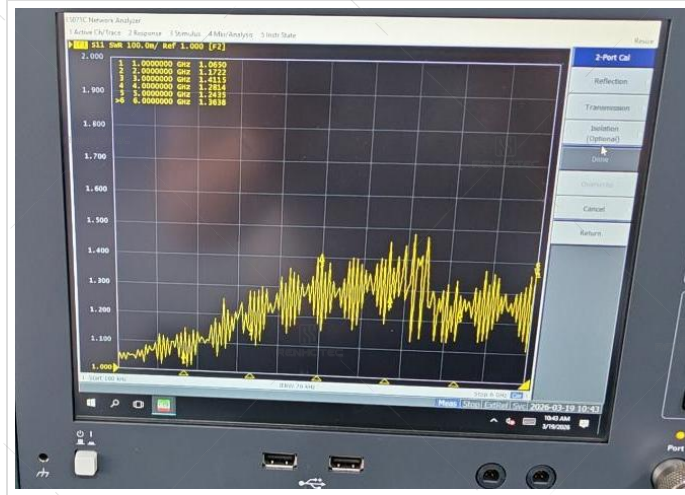
Component Description	Material	Finish
Shell	Copper Alloy	Nickel Plated
Insulator	Teflon White	
Contact	Brass	Gold Plated

**Impedance Testing**

<b>Impedance</b>	50Ω
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**Frequency & VSWR Test Report**

Frequency Range	DC-11 GHz
VSWR	R/A type $\leq 1.5$ MAX



**Contact Resistance Test**

Contact Type	Female Pin
Center Contact Resistance	$\leq 1.0$ M $\Omega$ (Milliohms Max.)
Outer Contact Resistance	$\leq 0.2$ M $\Omega$ (Milliohms Max.)



**Working Voltage & Insulation Resistance Test**

Working Voltage	1000 V rms
Insulation Resistance	≥5 × 10 <sup>3</sup> MΩ (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.