

**BNC Connector Right Angle Female PCB Mount Through Hole 50 Ohm - RHT-610-0030**



**Drawing**

Product NO.		RHT-610-0030		
REV	DESCRIPTION	DWN	DATE	APPROVEN
R1.0	First issue	Mr. Wang	2016/03/05	JIM. KING
R2.0	First issue	Gavin	2023/09/27	JIM. KING

PCB HOLE CONFIGURATION  
RECOMMENDED PANEL CUTOUTS

**Specifications**  
 Impedance:50, 75ohms  
 Frequency Range:DC~4G  
 VSWR:1.3MAX  
 Voltage Ratin:500 Volts RMS Max Continuous  
 Dielectric Withstanding Voltag:1500 VRMS MaxTemperature  
 Insulation Resistance:5000 MΩ Min  
 Mating Cycles:500 Min  
 Range:-55°C TO +165°C

3	Center pin	Brass	Gold-plated	1
2	Insulating	POM	None	1
1	Body	Zinc	Nickel plated	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

-TOLERANCES- UNLESS OTHERWISE SPECIFIED		<b>RENHOTEC GROUP</b>			
UNLESS OTHERWISE SPECIFIED TOLERANCES FOR MILLIMETERS ARE: 0.5 - 8mm ± 0.10mm 8 - 30mm ± 0.15mm 30 - 120mm ± 0.20mm		PART DESCRIPTION: BNC JACK FOR PCB CONNECTOR			
		Appd: JIM. KING		P/N: RHT-610-0030	
Check:	Date:	Scale:	Unit:	Type:	Page:
Draw: Gavin	2023.09.27	Free	MM	Z	1/1

### Basic Information

<b>Connector Type</b>	Jack
<b>Contact Type</b>	Female Pin
<b>Fastening Type</b>	Bayonet
<b>Mounting Feature</b>	Through Hole
<b>Mounting Type</b>	PCB Mount
<b>Number of Ports</b>	1
<b>Orientation</b>	Right Angle
<b>RF Series</b>	BNC Type

### Electrical Specification

<b>Dielectric Withstanding Voltage</b>	1500 V rms
<b>Frequency Range</b>	0-4 GHz for 50 ohm
<b>Impedance</b>	50 ohm

### Environmental Specification

<b>Temperature Range</b>	POM -40°C ~+60°C, Teflon -55°C ~+155°C
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### Mechanical Specification

<b>Mating Durability</b>	≥ 500 Cycles
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### Material and Finish

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

### Impedance Testing

<b>Impedance</b>	50 ohm
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### Frequency & VSWR Test Report

Frequency Range	0-4 GHz for 50 ohm
VSWR	R/A type $\leq 1.30/3\text{GHz}$ , Straight type $\leq 1.22/3\text{GHz}$



### Contact Resistance Test

Contact Type	Female Pin
Center Contact Resistance	$\leq 1.5 \text{ M}\Omega$ (Milliohms Max.)
Outer Contact Resistance	$\leq 2.0 \text{ M}\Omega$ (Milliohms Max.)



### Working Voltage & Insulation Resistance Test

Working Voltage	500 V rms
Insulation Resistance	$\geq 5 \times 10^3 M\Omega$ (Megohms MIN.)



### Version History

REV	Date	Revise Contents	Drafter	Approver
A.0	2026.3.23	The initial formulation	Marcella	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.