

BNC Connector Jack Flange Mount Solder Cup - RHT-610-0222



Drawing



Product NO.		RHT-610-0222		
REV	DESCRIPTION	DWN	DATE	APPROVEN
R1.0	First issue	Mr. Wang	2017/02/23	JIM. KING
R2.0	Change the size according to the product	Gavin	2022/05/23	JIM. KING

Specifications
 Impedance:50 Ohms
 Frequency Range:DC~3G
 VSWR:1.5MAX
 Working Voltage:500V rms @ sea level
 Insulation Resistance:5000 MOhms min
 Temperature Range:-55°C TO +165°C

3	Center pin	Brass	Gold	1
2	Insulating	PTFE	NONE	1
1	BODY	Brass	Gold	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

-TOLERANCES-
UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED TOLERANCES FOR MILLIMETERS ARE:
 0.5 - 8mm ± 0.20mm
 8 - 30mm ± 0.25mm
 30 - 120mm ± 0.30mm

		RENHOTEC GROUP			
Appd: JIM. KING		PART DESCRIPTION: BNC Jack Connector			
Check:		P/N: RHT-610-0222			
Draw: Gavin		Date	Scale	Unit	Type Page
		2022.05.23	Free	MM	Z 1/1

Basic Information

Connector Type	Jack
Contact Type	Female Pin
Fastening Type	Bayonet
Mounting Feature	4 Hole Flange
Mounting Type	Panel Mount
Number of Ports	1
Orientation	Straight
RF Series	BNC Type

Electrical Specification

Dielectric Withstanding Voltage	1500 V rms
Frequency Range	0-4 GHz for 50 ohm
Impedance	75 ohm

Environmental Specification

Temperature Range	POM -40°C ~+60°C, Teflon -55°C ~+155°C
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Mechanical Specification

Mating Durability	≥ 500 Cycles
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Material and Finish

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

Impedance Testing

Impedance	75 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.)
Contact Termination Style	Solder



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.