

N Type Connector Male Straight Solder Cable Type 50ohm - RHT-614-0238



Drawing

Top view: $\phi 19.3$

Side view dimensions: 18.6, 5/8-24UNEF-2B, 19.2, 17, $\phi 6.3$, $\phi 7.0$, $\phi 16.5$

Detail view dimensions: 17.0, 15.2, 11.9, 0.5, $\phi 3.0$, $\phi 1.66$, 2.3, $\phi 3.5$

Product NO. RHT-614-0238				
REV	DESCRIPTION	DWN	DATE	APPROVEN
A	First issue	Gavin	2018/03/12	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		RENHOTECH RENHOTECH GROUP	
UNLESS OTHERWISE SPECIFIED TOLERANCES FOR MILLIMETERS ARE:		PART DESCRIPTION: N PLUG CONNECTORS	
0.5 - 8mm	$\pm 0.20mm$	Appd: JIM.KING	P/N: RHT-614-0238
8 - 30mm	$\pm 0.40mm$	Check:	Date
30 - 120mm	$\pm 0.50mm$	Draw: Gavin	2018/03/12
		Scale	Unit
		Free	MM
		Type	Z
		Page	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

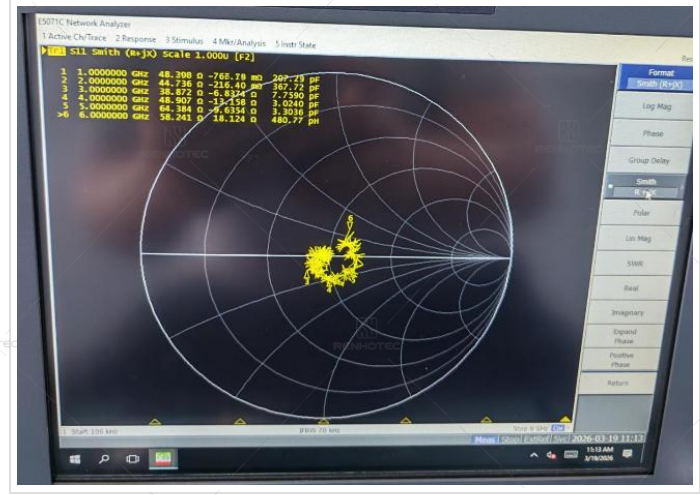
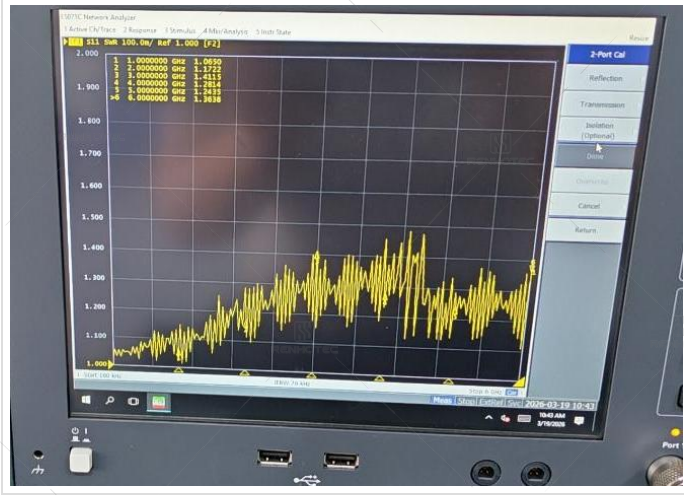
Component Description	Material	Finish
Shell	Copper Alloy	Nickel Plated
Insulator	Teflon White	
Contact	Brass	Gold Plated

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	≥5 × 10 ³ 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.