

N Type Connector Male Straight Crimp Cable Type 50ohm RG6 - RHT-614-0207



Drawing

				Product NO. RHT-614-0207	
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	RED	1
1	BODY	BRASS	NIACEL	1
NO	DESCRIPTION	MATERIAL	FINISH	QTY

-TOLERANCES- UNLESS OTHERWISE SPECIFIED		RENHOTECH RENHOTECH GROUP			
UNLESS OTHERWISE SPECIFIED TOLERANCES FOR MILLIMETERS ARE: 0.5 - 8mm ± 0.20mm 8 - 30mm ± 0.40mm 30 - 120mm ± 0.50mm		PART DESCRIPTION: N PLUG FOR RG6 CABLE			
Appd:	JIM.KING	P/N:	RHT-614-0207		
Check:		Date	Scale	Unit	Type Page
Draw:	Gavin	2018/03/12	Free	MM	Z 1/1

Basic Information

Cable Type	RG6
Connector Type	Plug
Contact Termination Style	Crimp
Fastening Type	Threaded
Mounting Type	Cable Mount
Number of Ports	1
Orientation	Straight
Shield Termination	Crimp

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

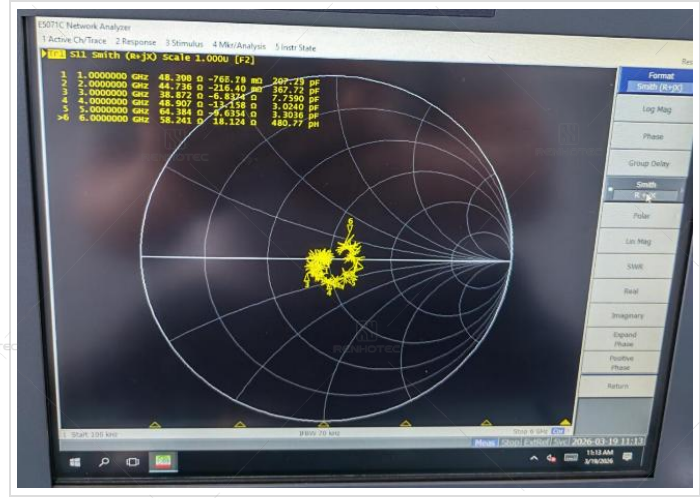
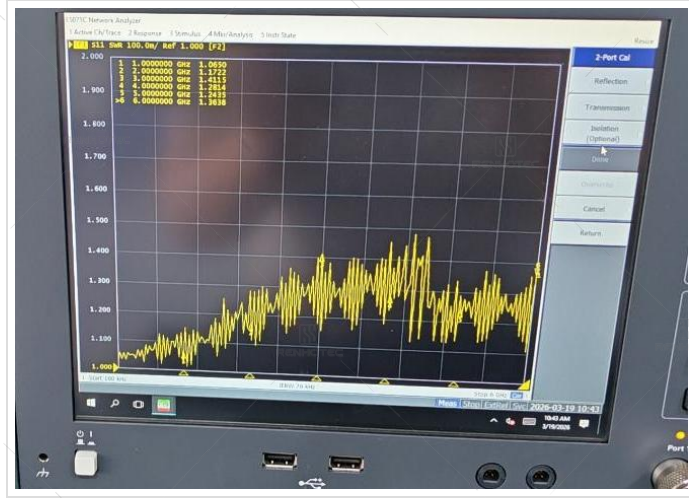
Component Description	Material	Finish
Shell	Copper Alloy	Nickel Plated
Insulator	Teflon White	
Contact	Brass	Gold Plated

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	$\geq 5 \times 10^3 M\Omega$ (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.