

N Type Connector Male Straight Crimp Cable Type 50ohm - RHT-614-0241



Drawing

| | | | | |
|-------------|-------------|--------------|------------|----------|
| Product NO. | | RHT-614-0241 | | |
| 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

| NO | DESCRIPTION | MATERIAL | FINISH | QTY |
|----|-------------|----------|--------|-----|
| 3 | PIN | BRASS | GOLD | 1 |
| 2 | INSULATION | TEFLON | RED | 1 |
| 1 | BODY | BRASS | NICKEL | 1 |

| | | | | | | |
|---|-------|---|--|-------------------|------|--|
| -TOLERANCES- UNLESS OTHERWISE SPECIFIED | | RENHOTEC GROUP www.renhotec.com | PART DESCRIPTION: N PLUG FOR RG58 CABLE | | | |
| UNLESS OTHERWISE SPECIFIED TOLERANCES FOR MILLIMETERS ARE: 0.5 - 8mm ± 0.20mm 8 - 30mm ± 0.40mm 30 - 120mm ± 0.50mm | | | Appd: JIM.KING | P/N: RHT-614-0241 | | |
| Check: | Gavin | Date: | 2018/03/12 | Scale: | Free | |
| Draw: | Gavin | Date: | 2018/03/12 | Unit: | MM | |
| | | Date: | 2018/03/12 | Type: | Z | |
| | | Date: | 2018/03/12 | Page: | 1/1 | |

Basic Information

| | |
|---------------------------|-------------|
| 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

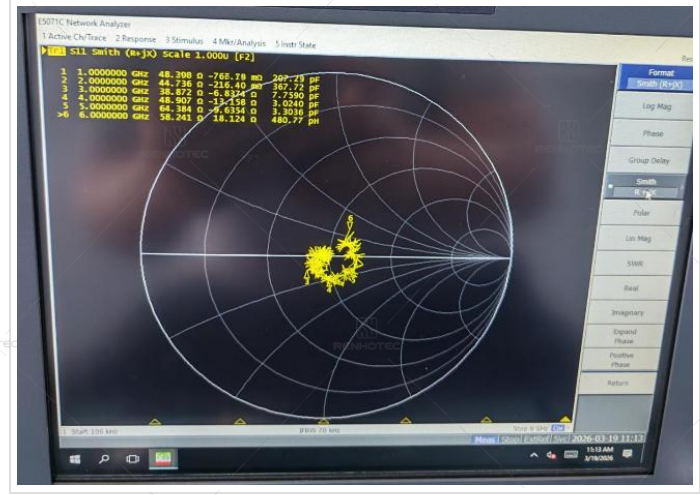
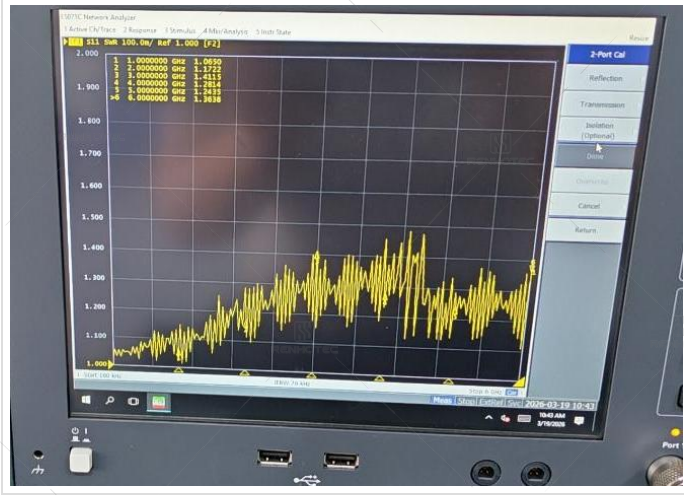
| Component Description | Material | Finish |
|-----------------------|--------------|---------------|
| Shell | Copper Alloy | Nickel Plated |
| Insulator | Teflon White | |
| Contact | Brass | Gold Plated |

Impedance Testing

| | |
|-----------|-----|
| Impedance | 50Ω |
|-----------|-----|

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.