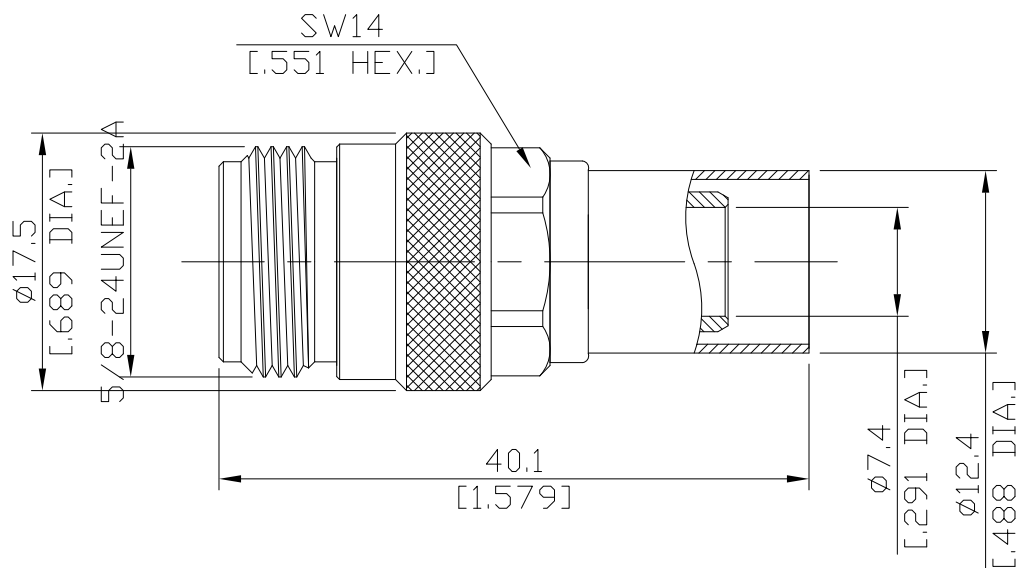


N Jack (Female) Connector Full Crimp Attachment for RG214  
DC-11GHz VSWR1.15

**N2CF50-G214A / H4**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

IEC 60169-16; MIL-STD-348B/304; CECC 22210; MIL-PRF-39012

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 11 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.5

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 1 mΩ

Outer Contact Resistance

≤ 0.25 mΩ

Working Voltage

500 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

1000 W @ 1 GHz

700 W @ 2 GHz

RF-leakage

≥ 128 dB up to 1 GHz

-VSWR in application depends decisive on cable assembly process-

**Material And Plating**

| Piece Parts    | Material | Plating                                                       |
|----------------|----------|---------------------------------------------------------------|
| Centre contact | Brass    | Gold plating<br>(Non-magnetic nickel-phosphorus underplating) |
| Body           | Brass    | Copper-Tin-Zinc Alloy                                         |
| Insulator      | PTFE     |                                                               |
| Crimp ferrules | Brass    | Copper-Tin-Zinc Alloy                                         |

N Jack (Female) Connector Full Crimp Attachment for RG214  
DC-11GHz VSWR1.15

## N2CF50-G214A / H4

### Mechanical Data

|                      |                  |
|----------------------|------------------|
| Coupling Mechanisms  | Screw-Lock       |
| Mating Cycles        | min. 500         |
| Coupling Test Torque | max. 1.7 Nm      |
| Recommended Torque   | 0.7 Nm to 1.1 Nm |
| Centre Contact       | Soldered/Crimped |
| Cable Entry          | Crimped          |

### Environmental Data

|                     |                                      |
|---------------------|--------------------------------------|
| Temperature Range   | -65°C to +165°C                      |
| Thermal Shock       | MIL-STD-202, Method 107, Condition B |
| Corrosion           | MIL-STD-202, Method 101, Condition B |
| Vibration           | MIL-STD-202, Method 204, Condition B |
| Shock               | MIL-STD-202, Method 213, Condition I |
| Moisture Resistance | MIL-STD-202, Method 106              |
| RoHS                | compliant                            |

### Suitable Cables

RG214

### Packing

Single or 100