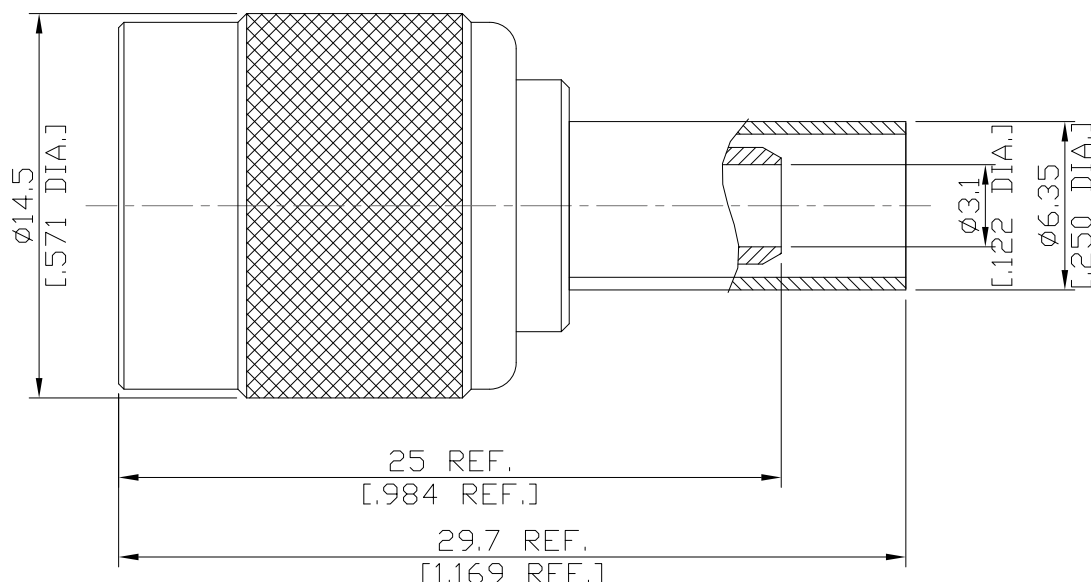


**TNC Plug (Male) Straight Connector Crimp / Contact Pin Solder or Crimp  
Attachment for LMR-200, ROSNOL RNL-200, DC-6GHz, VSWR 1.3**

**TNC1C50-R200A / 944**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

IEC 61169-17; CECC 22200; MIL-PRF-39012; MIL-STD-348B/313; DIN EN 122200

**Electrical Data**

|                                                |                      |
|------------------------------------------------|----------------------|
| Impedance                                      | 50 Ω                 |
| Frequency                                      | DC to 6 GHz          |
| VSWR (Return Loss)                             | ≤ 1.3 (≥ 17.69 dB)   |
| Insertion Loss                                 | ≤ 0.05 × √F (GHz) dB |
| Insulation Resistance                          | ≥ 5 GΩ               |
| Center Contact Resistance                      | ≤ 1.5 mΩ             |
| Outer Contact Resistance                       | ≤ 1 mΩ               |
| Test Voltage (at sea level)                    | 1500 V rms           |
| Working Voltage (at sea level)                 | 500 V rms            |
| Power Handling (at 20 °C, sea level, VSWR 1.0) | 80 W @ 2 GHz         |

*-VSWR in application depends decisive on cable assembly process-*

**Material And Plating**

| Piece Parts    | Material         | Plating                                                       |
|----------------|------------------|---------------------------------------------------------------|
| Centre Contact | Beryllium Copper | Gold plating<br>(Non-magnetic nickel-phosphorus underplating) |
| Body           | Brass            | Copper-Tin-Zinc Alloy                                         |
| Insulator      | PTFE             |                                                               |
| Gasket         | Silicone Rubber  |                                                               |
| Coupling Nut   | Brass            | Copper-Tin-Zinc Alloy                                         |
| Crimp Ferrules | Brass            | Copper-Tin-Zinc Alloy                                         |

**TNC Plug (Male) Straight Connector Crimp / Contact Pin Solder or Crimp  
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# **TNC1C50-R200A / 944**

## **Mechanical Data**

|                                   |                     |
|-----------------------------------|---------------------|
| Coupling Mechanisms               | Screw-On            |
| Mating Cycles                     | ≥ 500               |
| Center Contact Captivation: axial | ≥ 15 N              |
| Centre Contact                    | Soldered or Crimped |
| Cable Entry                       | Crimped             |
| Coupling Test Torque              | max. 1.7 Nm         |
| Recommended Torque                | 0.46 Nm to 0.69 Nm  |

## **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 G |
| Moisture Resistance | MIL-STD-202, Method 106              |
| RoHS                | Compliant                            |

## **Suitable Cables**

LMR-200; RNL-200

## **Packing**

Single or 100