### Technical Data

| 76 | TNC (75 Ω) | 76-000-000_TD |

#### Dimensions in mm

<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th></th>
<th>Female</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Ø 1.32</td>
<td>Ø 1.37</td>
<td>Ø 2.14 nom.</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Ø 8.10</td>
<td></td>
<td>Ø 8.15</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Ø 4.83</td>
<td></td>
<td>Ø 4.72</td>
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<tr>
<td>D</td>
<td>5.28</td>
<td>5.79</td>
<td>2.50 nom.</td>
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</tr>
<tr>
<td>E</td>
<td>Ø 7.00 nom.</td>
<td></td>
<td>Ø 7.00 nom.</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>7/16-28 UNEF-2B</td>
<td></td>
<td>7/16-28 UNEF-2A</td>
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</tr>
<tr>
<td>G</td>
<td>–</td>
<td>–</td>
<td>8.31</td>
<td>8.51</td>
</tr>
<tr>
<td>H</td>
<td>–</td>
<td>–</td>
<td>10.52</td>
<td>–</td>
</tr>
</tbody>
</table>

Dimensions in mm

1) Resilient, dimension to meet electrical and mechanical requirements

#### Interface

According to

IEC 60169-17, MIL-PRF-39012, DIN EN 122200
## Technical Data

### Electrical data
- **Impedance**: 75 Ω
- **Frequency range**:
  - DC to 4 GHz (max.)
  - DC to 1.5 GHz (opt.)
- **Return loss (cable connector straight)**: ≥ 20 dB (typ.)
- **Insertion loss**: ≤ 0.1 × √(GHz) dB
- **Insulation resistance**: ≥ 5 GΩ
- **Center contact resistance**: ≤ 1.5 mΩ
- **Outer contact resistance**: ≤ 1 mΩ
- **Test voltage**: 1500 V rms
- **Working voltage**: 500 V rms
- **Power handling**: 80 W @ 2 GHz

### Mechanical data
- **Mating cycles**: ≥ 500
- **Center contact captivation**: axial: ≥ 27 N
- **Coupling test torque**: ≤ 1.7 Nm
- **Coupling torque recommended**: 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 resistance**: MIL-STD-202, Method 101, Condition B
- **Moisture resistance**: MIL-STD-202, Method 106
- **Vibration**: MIL-STD-202, Method 204, Condition B
- **Shock**: MIL-STD-202, Method 213, Condition G
- **Max. soldering temperature (PCB connectors)**: IEC 61760-1, +260 °C for 10 sec.

### Materials
- **Connector parts**
  - Spring loaded contact parts: CuBe / CuSn
  - Center contact: CuZn
  - Outer contact: CuZn
  - Crimping ferrule: Cu
  - Dielectric: PTFE
  - Gasket: Rubber
- **Material**: Plating
  - CuBe / CuSn: Au
  - CuZn: Au
  - Cu: Ni / white bronze
  - PTFE: white bronze

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