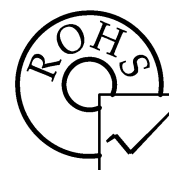
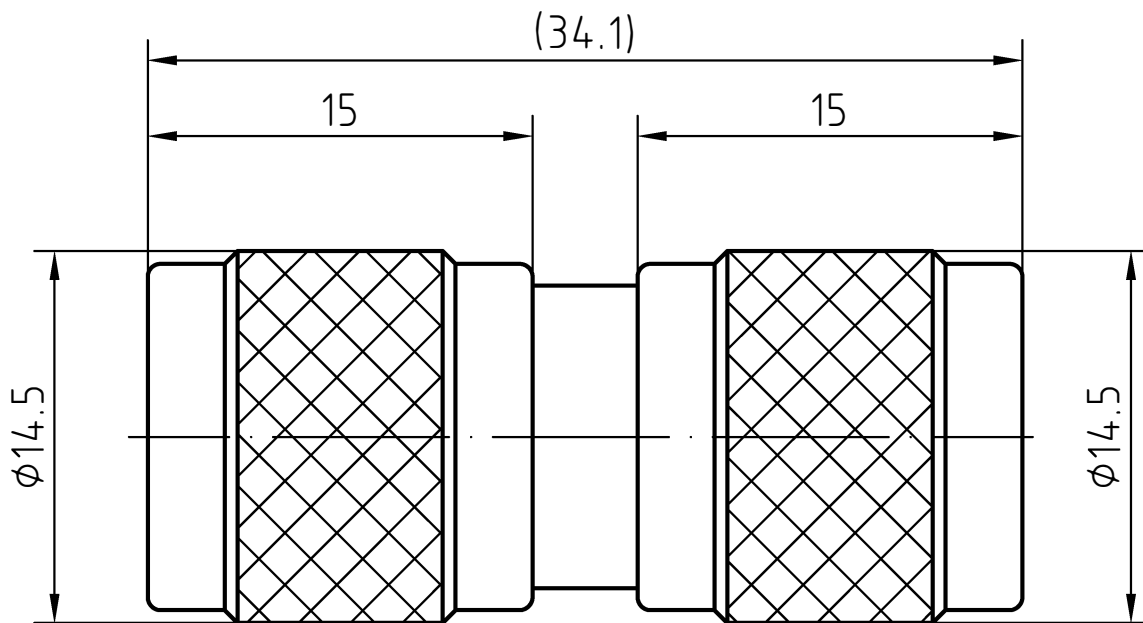


DRAWING



| 5       | 1        | O ring   | Silicone rubber             |                            |
|---------|----------|--|-----------------------------|----------------------------|
| 4       | 1        | Coupling nut                                     | Brass/Nickel plated         |                            |
| 3       | 1        | Body   | Brass/Nickel plated         |                            |
| 2       | 1        | Insulator  | PTFE                        |                            |
| 1       | 1        | Center contact                                   | Phosphor bronze/Gold plated | Gold 0.5um over Nickel 2um |
| Itemref | Quantity | Title/Name, designation, material, dimension etc |                             | Article No./Reference      |

|                         |                       |                          |                           |                  |                |
|-------------------------|-----------------------|--------------------------|---------------------------|------------------|----------------|
| Designed by<br>Xio Xang | Checked by<br>Jing Lo | Approved by<br>Jing Chan | File name<br>TNC_TNC-1110 | Date<br>11.05.10 | Scale<br>4 : 1 |
|-------------------------|-----------------------|--------------------------|---------------------------|------------------|----------------|

|  |                |              |
|--|----------------|--------------|
|  | TNC_TNC-1110   |              |
|  | Edition<br>1.0 | Sheet<br>1/1 |

# CHARACTERISTICS

DESCRIPTION:

ADAPTOR TNC PLUG TO PLUG

## Electrical data:

|                               |  |
|-------------------------------|--|
| <i>Impedance:</i>             | 50 ohm                                       |
| <i>Frequency range:</i>       | DC to 11 GHz                                 |
| <i>VSWR:</i>                  | $\leq 1.3:1$ , DC~4GHz                       |
| <i>Insertion loss:</i>        | $\leq 0.1X \sqrt{f[\text{GHz}]}$ dB, DC~4GHz |
| <i>Insulation resistance:</i> | $\geq 5000M\Omega$                           |
| <i>Test voltage:</i>          | 1500 V rms                                   |
| <i>Working voltage:</i>       | 500 V rms                                    |
| <i>Contact resistance:</i>    |  |
| 1). Centre contact:           | 2.5 m $\Omega$                               |
| 2). Outer conductor:          | 0.5 m $\Omega$                               |

## Environmental data:

|                            |                     |
|----------------------------|---------------------|
| <i>Temperature rating:</i> | -55 ° C to +165 ° C |
| <i>2002/95/EC (RoHS):</i>  | Compliant           |

## Mechanical data:

|                                    |                    |
|------------------------------------|--------------------|
| <i>Mating cycles:</i>              | $\geq 500$         |
| <i>Center contact captivation:</i> | $\geq 15$ N(axial) |
| <i>Coupling test torque:</i>       | $\leq 1.7$ Nm      |
| <i>Recommended torque:</i>         | 0.46 Nm to 0.69 Nm |

## Suitable cables:

N/A