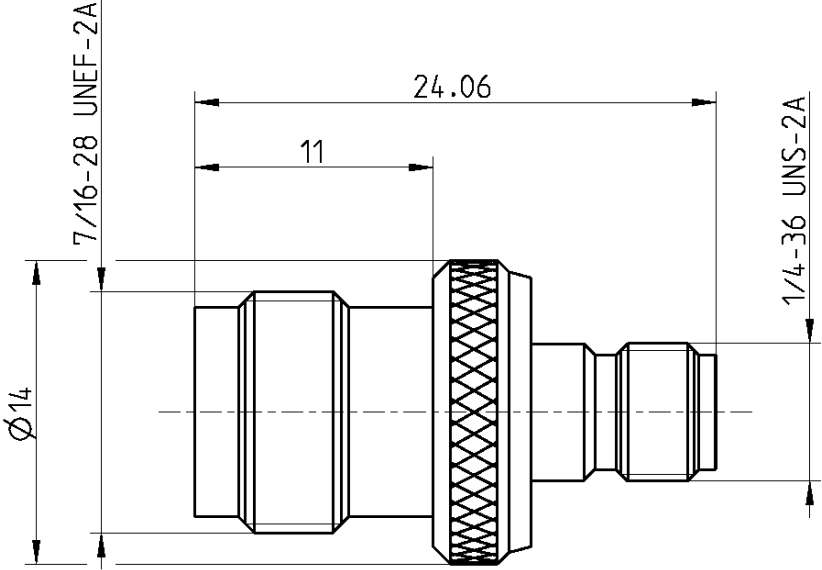


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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------|
| Technical Data Sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            | Rosenberger                                                                  |
| TNC 50 Ω                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ADAPTOR<br>JACK – SMA JACK | 56K132-K00L5                                                                 |
| <div></div> <p>All dimensions are in mm; tolerances according to ISO 2768 m-H</p> <div><div><b>Interface</b></div><div>According to</div><div>TNC side:<br/>SMA side:</div><div>IEC 60169-17, MIL-PRF-39012, DIN EN 122200<br/>IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310</div></div> <div><div><b>Documents</b></div><div>N/A</div></div> <div><div><b>Material and plating</b></div><div><div><b>Connector parts</b></div><div>Center contact<br/>Outer contact TNC side<br/>Outer contact SMA side<br/>Dielectric</div><div><b>Material</b><br/>CuBe<br/>Brass<br/>CuBe or equiv.<br/>PTFE</div><div><b>Plating</b><br/>AuroDur®, gold plated<br/>Nickel, 2.5-5 µm<br/>AuroDur®, gold plated</div></div></div> |                            |                                                                              |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                            | Page<br>1 / 2                                                                |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------|----------|------------------------------------------------------------------------------|---------------------------|-----------|-------------------|
| Technical Data Sheet                                                                                                                                                                                                                                                                                                                         |          |                                 |          | Rosenberger                                                                  |                           |           |                   |
| TNC 50 Ω                                                                                                                                                                                                                                                                                                                                     |          | ADAPTOR<br>JACK – SMA JACK      |          | 56K132-K00L5                                                                 |                           |           |                   |
| Electrical data                                                                                                                                                                                                                                                                                                                              |          |                                 |          |                                                                              |                           |           |                   |
| Impedance                                                                                                                                                                                                                                                                                                                                    |          | 50 Ω                            |          |                                                                              |                           |           |                   |
| Frequency                                                                                                                                                                                                                                                                                                                                    |          | DC to 10 GHz                    |          |                                                                              |                           |           |                   |
| Return loss                                                                                                                                                                                                                                                                                                                                  |          | ≥ 35 dB, DC to 2 GHz            |          |                                                                              |                           |           |                   |
|                                                                                                                                                                                                                                                                                                                                              |          | ≥ 30 dB, 2 to 3 GHz             |          |                                                                              |                           |           |                   |
|                                                                                                                                                                                                                                                                                                                                              |          | ≥ 25 dB, 3 to 4 GHz             |          |                                                                              |                           |           |                   |
| Insertion loss                                                                                                                                                                                                                                                                                                                               |          | ≤ 0.05 dB, DC to 4 GHz          |          |                                                                              |                           |           |                   |
| Insulation resistance                                                                                                                                                                                                                                                                                                                        |          | ≥ 5 GΩ                          |          |                                                                              |                           |           |                   |
| Center contact resistance                                                                                                                                                                                                                                                                                                                    |          | ≤ 1.5 mΩ, TNC side;             |          | ≤ 3 mΩ, SMA side                                                             |                           |           |                   |
| Outer contact resistance                                                                                                                                                                                                                                                                                                                     |          | ≤ 1 mΩ, TNC side;               |          | ≤ 2 mΩ, SMA side                                                             |                           |           |                   |
| Test voltage (at sea level)                                                                                                                                                                                                                                                                                                                  |          | 1000 V rms                      |          |                                                                              |                           |           |                   |
| Working voltage (at sea level)                                                                                                                                                                                                                                                                                                               |          | 480 V rms                       |          |                                                                              |                           |           |                   |
| Power handling (at 20 °C, sea level, VSWR 1.0)                                                                                                                                                                                                                                                                                               |          | ≤ 80 W @ 2 GHz                  |          |                                                                              |                           |           |                   |
| Mechanical data                                                                                                                                                                                                                                                                                                                              |          |                                 |          |                                                                              |                           |           |                   |
| Mating cycles                                                                                                                                                                                                                                                                                                                                |          | TNC side                        |          | SMA side                                                                     |                           |           |                   |
|                                                                                                                                                                                                                                                                                                                                              |          | min. 500                        |          | min. 500                                                                     |                           |           |                   |
| Center contact captivation: axial                                                                                                                                                                                                                                                                                                            |          | ≥ 27 N                          |          | ≥ 27 N                                                                       |                           |           |                   |
| Coupling test torque                                                                                                                                                                                                                                                                                                                         |          | max. 1.7 Nm                     |          | max. 1.7 Nm                                                                  |                           |           |                   |
| Recommended torque                                                                                                                                                                                                                                                                                                                           |          | 0.46 Nm to 0.69 Nm              |          | 0.8 Nm to 1.1 Nm                                                             |                           |           |                   |
| Environmental data                                                                                                                                                                                                                                                                                                                           |          |                                 |          |                                                                              |                           |           |                   |
| Temperature range                                                                                                                                                                                                                                                                                                                            |          | -65°C to +165°C                 |          |                                                                              |                           |           |                   |
| Thermal shock                                                                                                                                                                                                                                                                                                                                |          | MIL-STD-202, Meth. 107, Cond. B |          |                                                                              |                           |           |                   |
| Corrosion                                                                                                                                                                                                                                                                                                                                    |          | MIL-STD-202, Meth. 101, Cond. B |          |                                                                              |                           |           |                   |
| Vibration                                                                                                                                                                                                                                                                                                                                    |          | MIL-STD-202, Meth. 204, Cond. B |          |                                                                              |                           |           |                   |
| Shock                                                                                                                                                                                                                                                                                                                                        |          | MIL-STD-202, Meth. 213, Cond. G |          |                                                                              |                           |           |                   |
| Moisture resistance                                                                                                                                                                                                                                                                                                                          |          | MIL-STD-202, Meth. 106          |          |                                                                              |                           |           |                   |
| RoHS                                                                                                                                                                                                                                                                                                                                         |          | compliant                       |          |                                                                              |                           |           |                   |
| Tooling                                                                                                                                                                                                                                                                                                                                      |          |                                 |          |                                                                              |                           |           |                   |
| N/A                                                                                                                                                                                                                                                                                                                                          |          |                                 |          |                                                                              |                           |           |                   |
| Suitable cables                                                                                                                                                                                                                                                                                                                              |          |                                 |          |                                                                              |                           |           |                   |
| N/A                                                                                                                                                                                                                                                                                                                                          |          |                                 |          |                                                                              |                           |           |                   |
| Weight                                                                                                                                                                                                                                                                                                                                       |          |                                 |          |                                                                              |                           |           |                   |
| Weight                                                                                                                                                                                                                                                                                                                                       |          | 9.2 g/pce                       |          |                                                                              |                           |           |                   |
| While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary. |          |                                 |          |                                                                              |                           |           |                   |
| Draft                                                                                                                                                                                                                                                                                                                                        | Date     | Approved                        | Date     | Rev.                                                                         | Engineering change number | Name      | Date              |
| Chr. Entfellner                                                                                                                                                                                                                                                                                                                              | 24/07/08 | Sa. Krautenbacher               | 19.03.14 | e00                                                                          | 14-0352                   | T. Krojer | 19.03.14          |
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