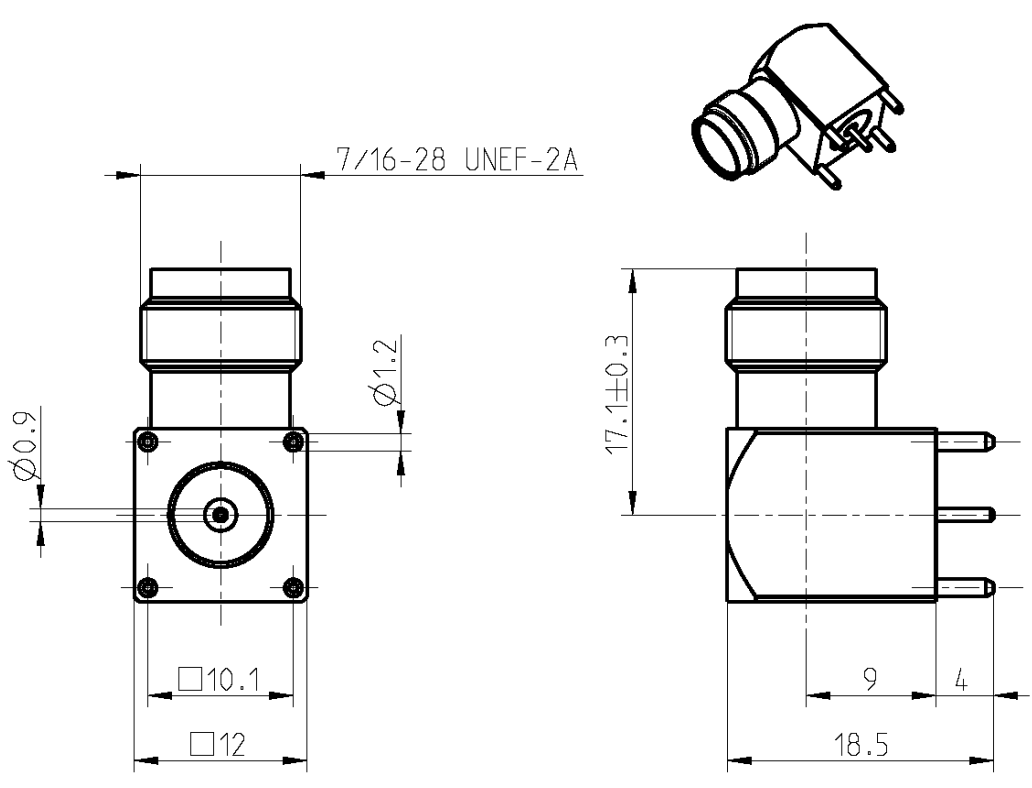


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|----------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------|
| Technical Data Sheet                                                                                           |                                    | Rosenberger                                                                  |
| TNC 50 Ω                                                                                                       | RIGHT ANGLE JACK PCB<br>SOLDER PIN | 56K201-400A5                                                                 |
| <div></div>                 |                                    |                                                                              |
| All dimensions are in mm; tolerances according to ISO 2768 m-H                                                 |                                    |                                                                              |
| <b>Interface</b>                                                                                               |                                    |                                                                              |
| According to                                                                                                   |                                    | IEC 60169-17, MIL-PRF-39012, DIN EN 122200                                   |
| <b>Documents</b>                                                                                               |                                    |                                                                              |
| Panel piercing                                                                                                 |                                    | B 32                                                                         |
| <b>Material and plating</b>                                                                                    |                                    |                                                                              |
| <b>Connector parts</b>                                                                                         |                                    |                                                                              |
| Center contact                                                                                                 | Material                           | Plating                                                                      |
| Outer contact                                                                                                  | CuBe                               | AuroDur®, gold plated                                                        |
| Body                                                                                                           | Brass                              | Nickel, 2.5-5 µm                                                             |
| Dielectric                                                                                                     | Brass                              | Nickel, 2.5-5 µm                                                             |
|                                                                                                                | PTFE                               |                                                                              |
| Rosenberger Hochfrequenztechnik GmbH & Co. KG<br>P.O.Box 1260 D-84526 Tittmoning Germany<br>www.rosenberger.de |                                    | Tel. : +49 8684 18-0<br>Fax : +49 8684 18-499<br>Email : info@rosenberger.de |
|                                                                                                                |                                    | Page<br>1 / 2                                                                |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------|----------|------------------------------------------------------------------------------|---------------------------|-----------|---------------|
| Technical Data Sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |                                    |          | Rosenberger                                                                  |                           |           |               |
| TNC 50 Ω                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          | RIGHT ANGLE JACK PCB<br>SOLDER PIN |          | 56K201-400A5                                                                 |                           |           |               |
| <div>Electrical data</div> <div>Impedance50 Ω</div> <div>FrequencyDC to 10 GHz</div> <div>Return loss≥ 28 dB, DC to 1 GHz</div> <div>≥ 22 dB, 1 to 2 GHz</div> <div>≥ 20 dB, 2 to 4 GHz</div> <div>Insertion loss≤ 0.05 dB, DC to 4 GHz</div> <div>Insulation resistance≥ 5 GΩ</div> <div>Center contact resistance≤ 1.5 mΩ</div> <div>Outer contact resistance≤ 1 mΩ</div> <div>Test voltage1500 V rms</div> <div>Working voltage500 V rms</div> <div>Power handling (at 20 °C, sea level, VSWR 1.0) ≤ 80 W @ 2 GHz</div> <div>- VSWR in application depends decisive on PCB layout -</div> |          |                                    |          |                                                                              |                           |           |               |
| <div>Mechanical data</div> <div>Mating cycles≥ 500</div> <div>Center contact captivation: axial≥ 15 N</div> <div>Coupling test torque≤ 1.7 Nm</div> <div>Recommended torque0.46 Nm to 0.69 Nm</div>                                                                                                                                                                                                                                                                                                                                                                                          |          |                                    |          |                                                                              |                           |           |               |
| <div>Environmental data</div> <div>Temperature range-65 °C to +165 °C</div> <div>Thermal shockMIL-STD-202, Method 107, Condition B</div> <div>CorrosionMIL-STD-202, Method 101, Condition B</div> <div>VibrationMIL-STD-202, Method 204, Condition B</div> <div>ShockMIL-STD-202, Method 213, Condition G</div> <div>Moisture resistanceMIL-STD-202, Method 106</div> <div>Max. soldering temperatureIEC 61760-1, +260 °C for 10 sec.</div> <div>RoHScompliant</div>                                                                                                                         |          |                                    |          |                                                                              |                           |           |               |
| <div>Tooling</div> <div>N/A</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                    |          |                                                                              |                           |           |               |
| <div>Suitable cables</div> <div>N/A</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                                    |          |                                                                              |                           |           |               |
| <div>Weight</div> <div>Weight17.1 g/pce</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                    |          |                                                                              |                           |           |               |
| <div>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.</div>                                                                                                                                                                                                                                      |          |                                    |          |                                                                              |                           |           |               |
| Draft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Date     | Approved                           | Date     | Rev.                                                                         | Engineering change number | Name      | Date          |
| Inge Mühlauer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.08.04 | Sa. Krautenbacher                  | 19.03.14 | f00                                                                          | 14-0352                   | T. Krojer | 19.03.14      |
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