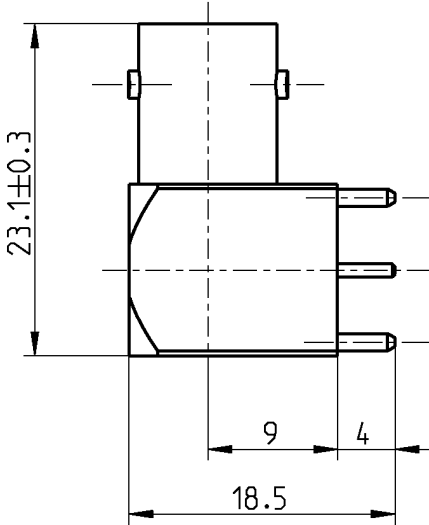
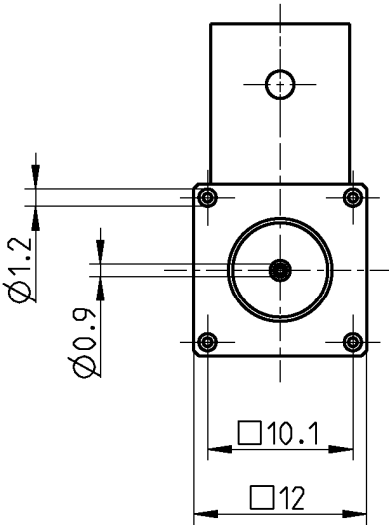
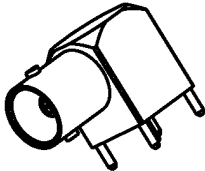


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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------|-----------------|----------------|----------------|------|-----------------------|---------------|-------|------------------|------|-------|------------------|------------|------|--|
| Technical Data Sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      | Rosenberger                                                                                                           |                        |                 |                |                |      |                       |               |       |                  |      |       |                  |            |      |  |
| BNC 75 Ω                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RIGHT ANGLE JACK PCB | 71K201-400A5                                                                                                          |                        |                 |                |                |      |                       |               |       |                  |      |       |                  |            |      |  |
| <div></div> <p>All dimensions are in mm; tolerances according to ISO 2768 m-H</p> <div><div><b>Interface</b></div><div>Compatible to IEC 61169-8, MIL-PRF-39012, CECC 22120</div></div> <div><div><b>Documents</b></div><div>Panel piercing B 32</div></div> <div><div><b>Material and plating</b></div><div><table><tr><td><b>Connector parts</b></td><td><b>Material</b></td><td><b>Plating</b></td></tr><tr><td>Center contact</td><td>CuBe</td><td>AuroDur®, gold plated</td></tr><tr><td>Outer contact</td><td>Brass</td><td>Nickel, 2.5-5 µm</td></tr><tr><td>Body</td><td>Brass</td><td>Nickel, 2.5-5 µm</td></tr><tr><td>Dielectric</td><td>PTFE</td><td></td></tr></table></div></div> |                      |                                                                                                                       | <b>Connector parts</b> | <b>Material</b> | <b>Plating</b> | Center contact | CuBe | AuroDur®, gold plated | Outer contact | Brass | Nickel, 2.5-5 µm | Body | Brass | Nickel, 2.5-5 µm | Dielectric | PTFE |  |
| <b>Connector parts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Material</b>      | <b>Plating</b>                                                                                                        |                        |                 |                |                |      |                       |               |       |                  |      |       |                  |            |      |  |
| Center contact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CuBe                 | AuroDur®, gold plated                                                                                                 |                        |                 |                |                |      |                       |               |       |                  |      |       |                  |            |      |  |
| Outer contact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Brass                | Nickel, 2.5-5 µm                                                                                                      |                        |                 |                |                |      |                       |               |       |                  |      |       |                  |            |      |  |
| Body                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Brass                | Nickel, 2.5-5 µm                                                                                                      |                        |                 |                |                |      |                       |               |       |                  |      |       |                  |            |      |  |
| Dielectric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PTFE                 |                                                                                                                       |                        |                 |                |                |      |                       |               |       |                  |      |       |                  |            |      |  |
| Rosenberger Hochfrequenztechnik GmbH & Co. KG<br>P.O.Box 1260 D-84526 Tittmoning Germany<br><a href="http://www.rosenberger.de">www.rosenberger.de</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      | Tel. : +49 8684 18-0<br>Fax : +49 8684 18-499<br>Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a> |                        |                 |                |                |      |                       |               |       |                  |      |       |                  |            |      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      | Page<br>1 / 2                                                                                                         |                        |                 |                |                |      |                       |               |       |                  |      |       |                  |            |      |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |                      |          |                                                                              |                           |           |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------|----------|------------------------------------------------------------------------------|---------------------------|-----------|-------------------|
| Technical Data Sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                      |          | Rosenberger                                                                  |                           |           |                   |
| BNC 75 Ω                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | RIGHT ANGLE JACK PCB |          | 71K201-400A5                                                                 |                           |           |                   |
| <div>Electrical data</div> <div>Impedance75 Ω<br/>FrequencyDC to 4 GHz<br/>Return loss≥ 20 dB @ DC to 1 GHz<br/>≥ 18 dB @ 1 GHz to 3 GHz<br/>≥ 15 dB @ 3 GHz to 4 GHz<br/><br/>Insertion loss≤ 0.1 x √ f [GHz] dB<br/>Insulation resistance≥ 5 GΩ<br/>Center contact resistance≤ 1.5 mΩ<br/>Outer contact resistance≤ 1 mΩ<br/>Test voltage (at sea level)1500 V rms<br/>Working voltage (at sea level)400 V rms<br/>Power handling (at 20 °C, sea level, VSWR 1.0)80 W @ 2 GHz<br/><br/>- VSWR in application depends decisive on PCB layout -</div> <div>Mechanical data</div> <div>Mating cycles≥ 500</div> <div>Environmental data</div> <div>Temperature range-65 °C to +165 °C<br/>Thermal shockMIL-STD-202, Method 107, Condition B<br/>Corrosion resistanceMIL-STD-202, Method 101, Condition B<br/>VibrationMIL-STD-202, Method 204, Condition B<br/>ShockMIL-STD-202, Method 213, Condition G<br/>Moisture resistanceMIL-STD-202, Method 106<br/>Max. soldering temperatureIEC 61760-1, +260 °C for 10 sec.<br/>RoHScompliant</div> <div>Tooling</div> <div>N/A</div> <div>Suitable cables</div> <div>N/A</div> <div>Weight</div> <div>Weight16.2 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              |
| Andreas Fellner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 23/05/12 | Sa. Krautenbacher    | 21.03.14 | e00                                                                          | 14-0352                   | T. Krojer | 21.03.14          |
| 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><br>2 / 2 |