



All dimensions are in mm; tolerances according to ISO 2768 m-H

**Interface**

According to IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

**Documents**

Assembly instruction 32 A4 or 32 A21

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric

**Material**

Beryllium copper  
Beryllium copper or equivalent  
PTFE

**Plating**

AuroDur, gold plated  
AuroDur, gold plated

**Electrical data**

|  |  |
|--|--|
| Impedance                                      | 50 Ω   |
| Frequency                                      | DC to 18 GHz   |
| VSWR   | ≥ 30 dB @ DC to 8 GHz<br>≥ 25 dB @ 8 to 12 GHz<br>≥ 19 dB @ 12 to 18 GHz |
| Insertion loss                                 | ≤ 0.03 x √f(GHz) dB  |
| Insulation resistance                          | ≥ 5 x10 <sup>3</sup> MΩ  |
| Center contact resistance                      | ≤ 3 mΩ   |
| Outer contact resistance                       | ≤ 2 mΩ   |
| Test voltage                                   | 1000 V rms   |
| Working voltage                                | 480 V rms  |
| Power handling (at 20 °C, sea level, VSWR 1.0) | ≤ 200 W @ 2 GHz  |
| RF-leakage                                     | ≥ 100 dB up to 1 GHz   |

- Limitations are possible due to the used cable type -

**Mechanical data**

|                      |                  |
|----------------------|------------------|
| Mating cycles        | min. 500         |
| Coupling test torque | max. 1.7 Nm      |
| Recommended torque   | 0.8 Nm to 1.1 Nm |

**Environmental data**

|                     |                                 |
|---------------------|---------------------------------|
| Temperature range   | -55°C to +155°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. D |
| Shock               | MIL-STD-202, Meth. 213, Cond. I |
| Moisture resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

**Tooling**

N/A

**Suitable cables**

UT 85, RG 405

**Weight**

Weight 1.90 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          |
|--|----------|-------------------|----------|------|--|-----------|---------------|
| Schmid M.  | 08.03.07 | Sa. Krautenbacher | 13.03.14 | c00  | 14-0352  | T. Krojer | 13.03.14      |
| 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>2 / 2 |