



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

**Interface**

According to MIL-STD-348

**Documents**

Assembly instruction 19 E13

**Material and plating**

**Connector parts**

|                |      |
|----------------|------|
| Center contact | CuBe |
| Outer contact  | CuBe |
| Dielectric     | PTFE |

**Plating**

AuroDur®, gold plated  
AuroDur®, gold plated

**Electrical data**

|                           |  |
|---------------------------|--|
| Impedance                 | 50 Ω   |
| Frequency                 | DC to 40 GHz                                   |
| Return loss               | ≥ 25 dB, DC to 18 GHz<br>≥ 18 dB, 18 to 40 GHz |
| Insertion loss            | ≤ 0.1 x √f(GHz) dB                             |
| Insulation resistance     | ≥ 5 GΩ   |
| Center contact resistance | ≤ 6.0 mΩ                                       |
| Outer contact resistance  | ≤ 2.0 mΩ                                       |
| Test voltage              | 500 V rms                                      |
| Working voltage           | 335 V rms                                      |
| Contact Current           | 1.2A DC max.                                   |

- Limitations are possible due to the used cable type -

**Mechanical data**

|                                  |            |
|----------------------------------|------------|
| Mating cycles                    |            |
| if mating part is smooth bore    | ≥ 1000     |
| if mating part is limited detent | ≥ 500      |
| if mating part is full detent    | ≥ 100      |
| Engagement force                 |            |
| - smooth bore                    | 9 N max.   |
| - limited detent                 | 45 N max.  |
| - full detent                    | 68 N max.  |
| Disengagement force              |            |
| - smooth bore                    | 2.2 N min. |
| - limited detent                 | 9 N min.   |
| - full detent                    | 22 N min.  |

**Environmental data**

|                     |                                      |
|---------------------|--------------------------------------|
| Temperature range   | -65°C to +155°C                      |
| Thermal shock       | MIL-STD-202, Method 107, Condition B |
| Vibration           | MIL-STD-202, Method 204, Condition B |
| Shock               | MIL-STD-202, Method 213, Condition A |
| Moisture resistance | MIL-STD-202, Method 106              |
| RoHS                | compliant                            |

**Tooling**

N/A

**Suitable cables**

UT 47 and similar

**Weight**

Weight 0.3 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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|----------|----------|-------------|----------|------|---------------------------|----------------|----------|
| Draft    | Date     | Approved    | Date     | Rev. | Engineering change number | Name           | Date     |
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| 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>Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a> |  | Page<br>2 / 2 |  |
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