



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 B6

**Material and plating**

**Connector parts**

|                  |                    |
|------------------|--------------------|
| Center contact   | Brass              |
| Outer contact    | CuBe or equivalent |
| Body             | Brass              |
| Dielectric       | PTFE               |
| Gasket           | Silicone           |
| Coupling nut     | CuBe or equivalent |
| Crimping ferrule | Copper             |

**Material**

**Plating**

AuroDur®, gold plated  
 AuroDur®, gold plated  
 AuroDur®, gold plated  
  
 Gold, 0.1 µm  
 AuroDur®, gold plated

**Electrical data**

|  |                                      |
|--|--------------------------------------|
| Impedance                                      | 50 Ω                                 |
| Frequency                                      | DC to 12.4 GHz                       |
| VSWR   | ≤ 1.05 + 0.01 x f [GHz], DC to 5 GHz |
| Insertion loss                                 | ≤ 0.04 x √f(GHz) dB, DC to 5 GHz     |
| 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 nut retention            | ≥ 270 N          |
| Center contact captivation: axial | ≥ 20 N           |
| Coupling test torque              | max. 1.7 Nm      |
| Recommended torque                | 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. D |
| Shock               | MIL-STD-202, Meth. 213, Cond. I |
| Moisture resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

**Tooling**

|               |            |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert  | 11W150-102 |

**Suitable cables**

RG 174 A/U, RG 188 A/U, RG 316 /U

**Weight**

|        |            |
|--------|------------|
| Weight | 4.70 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          |
|--|----------|-------------------|----------|------|--|-----------|---------------|
| Rong Fang  | 22/03/07 | Sa. Krautenbacher | 17.03.14 | f00  | 14-0352  | T. Krojer | 17.03.14      |
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