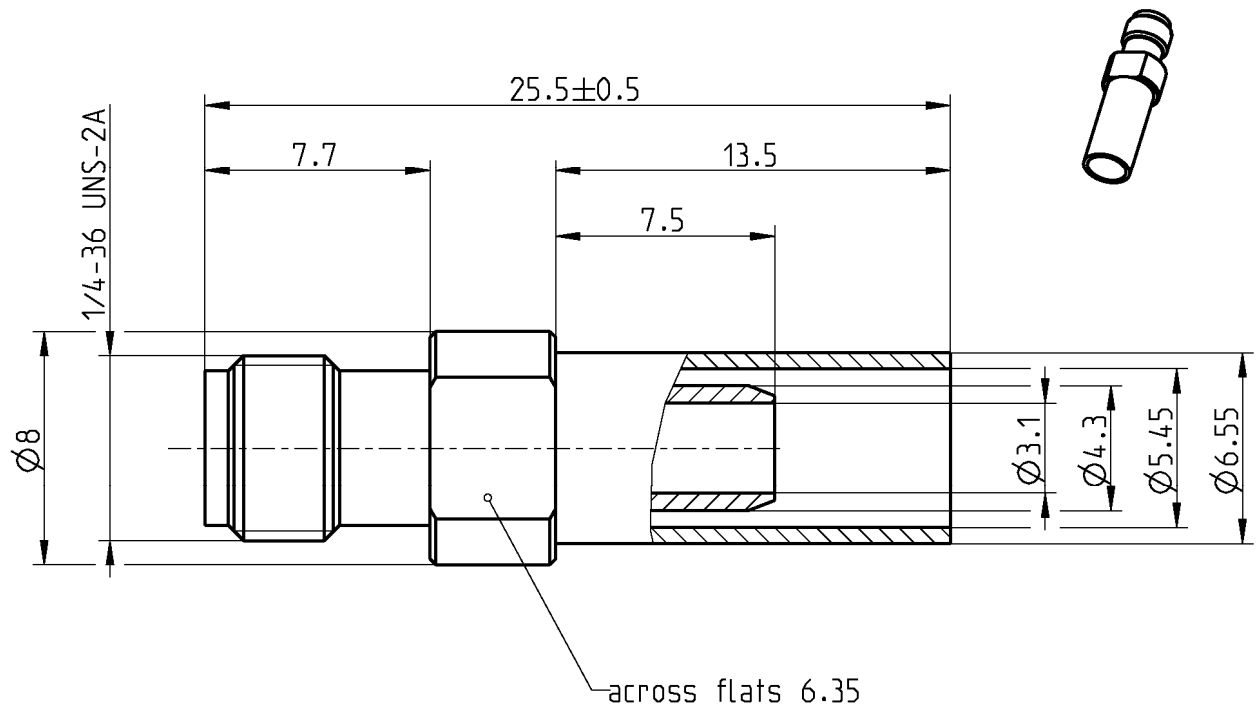




All dimensions are in mm; tolerances according to ISO 2768 m-H

#### Interface

According to

IEC 60169-15; EN 122110; MIL-STD-348

#### Documents

Assembly instruction

32 B8

#### Material and plating

##### Connector parts

Center contact  
Outer contact  
Dielectric  
Crimping ferrule

##### Material

CuBe  
CuBe or equiv.  
PTFE  
Copper

##### Plating

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

**Electrical data**

|                                                |                                                                                       |
|------------------------------------------------|---------------------------------------------------------------------------------------|
| Impedance                                      | 50 $\Omega$                                                                           |
| Frequency                                      | DC to 12.4 GHz                                                                        |
| VSWR                                           | $\leq 1.04$ , DC to 1 GHz<br>$\leq 1.05$ , 1 to 2.5 GHz<br>$\leq 1.20$ , 2.5 to 5 GHz |
| Insertion loss                                 | $\leq 0.03 \times \sqrt{f(\text{GHz})}$ dB, DC to 5 GHz                               |
| Insulation resistance                          | $\geq 5 \times 10^3$ M $\Omega$                                                       |
| Center contact resistance                      | $\leq 3$ m $\Omega$                                                                   |
| Outer contact resistance                       | $\leq 2$ m $\Omega$                                                                   |
| Test voltage                                   | 1000 V rms                                                                            |
| Working voltage                                | 480 V rms                                                                             |
| Power handling (at 20 °C, sea level, VSWR 1.0) | $\leq 200$ W @ 2 GHz                                                                  |
| RF-leakage                                     | $\geq 100$ dB up to 1 GHz                                                             |

- Limitations are possible due to the used cable type -

**Mechanical data**

|                                   |                  |
|-----------------------------------|------------------|
| Mating cycles                     | min. 500         |
| Center contact captivation: axial | $\geq 27$ N      |
| 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**

|               |            |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert  | 11W150-108 |

**Suitable cables**

RG 141 /U, RG 58 C/U

**Weight**

|        |            |
|--------|------------|
| Weight | 4.36 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 | 15/03/04 | J_Krautenbacher | 21.07.16 | f00  | 15-1629                   | I_Wallner | 21.07.16 |

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