



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



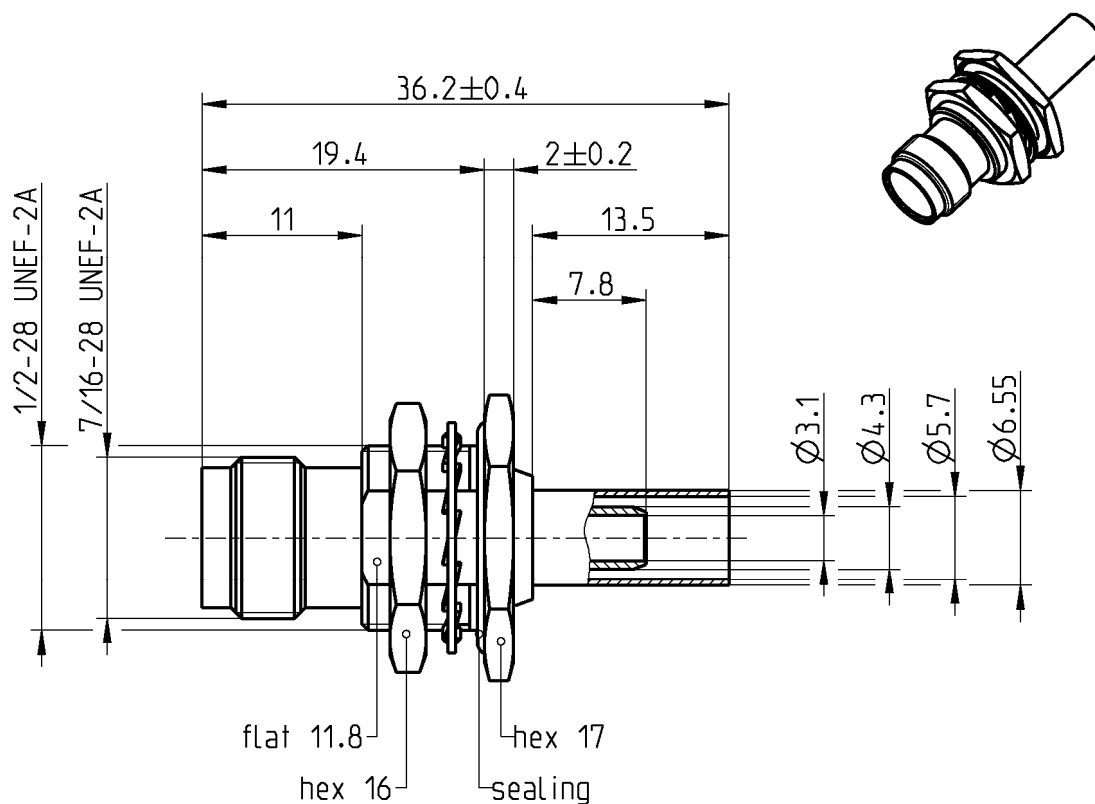
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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

#### Interface

According to

IEC 60169-17, MIL-PRF-39012, DIN EN 122200

#### Documents

Assembly instruction

51 P10

Panel piercing

B 3

#### Material and plating

##### Connector parts

Center contact  
Outer contact  
Body  
Dielectric  
Gasket  
Crimping ferrule

##### Material

Beryllium copper  
Brass  
Brass  
PTFE  
Silicone  
Copper

##### Plating

AuroDur®, gold plated  
Flash white bronze over silver(e.g. Optargen®)  
Flash white bronze over silver(e.g. Optargen®)  
Flash white bronze over silver(e.g. Optargen®)

**Electrical data**

|  |   |
|--|---|
| Impedance                                      | 50 Ω  |
| Frequency                                      | DC to 10 GHz                                      |
| Return loss                                    | ≥ 24 dB, DC to 1 GHz<br>≥ 20 dB, 1 to 6 GHz       |
| Insertion loss                                 | ≤ 0.05 x $\sqrt{f \text{ [GHz]}}$ dB, DC to 8 GHz |
| Insulation resistance                          | ≥ 5 x 10 <sup>3</sup> MΩ                          |
| Center contact resistance                      | ≤ 1.5 mΩ  |
| Outer contact resistance                       | ≤ 1 mΩ  |
| Test voltage                                   | 1500 V rms  |
| Working voltage                                | 500 V rms   |
| Power handling (at 20 °C, sea level, VSWR 1.0) | ≤ 80 W @ 2 GHz                                    |

- Limitations are possible due to the used cable type -

**Mechanical data**

|                                   |                    |
|-----------------------------------|--------------------|
| Mating cycles                     | min. 500           |
| Center contact captivation: axial | ≥ 15 N             |
| Coupling test torque              | max. 1.7 Nm        |
| Recommended torque                | 0.46 Nm to 0.69 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. B |
| Shock               | MIL-STD-202, Meth. 213, Cond. G |
| Moisture resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

**Tooling**

|               |            |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert  | 11W150-208 |

**Suitable cables**

RG 142 B/U, RG 223 /U, RG 400 /U

**Weight**

|        |            |
|--------|------------|
| Weight | 17.0 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          |
|--|----------|-------------------|----------|------|--|-----------|---------------|
| Inge Mühlauer  | 10.08.04 | Sa. Krautenbacher | 19.03.14 | f00  | 14-0352  | T. Krojer | 19.03.14      |
| 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 |