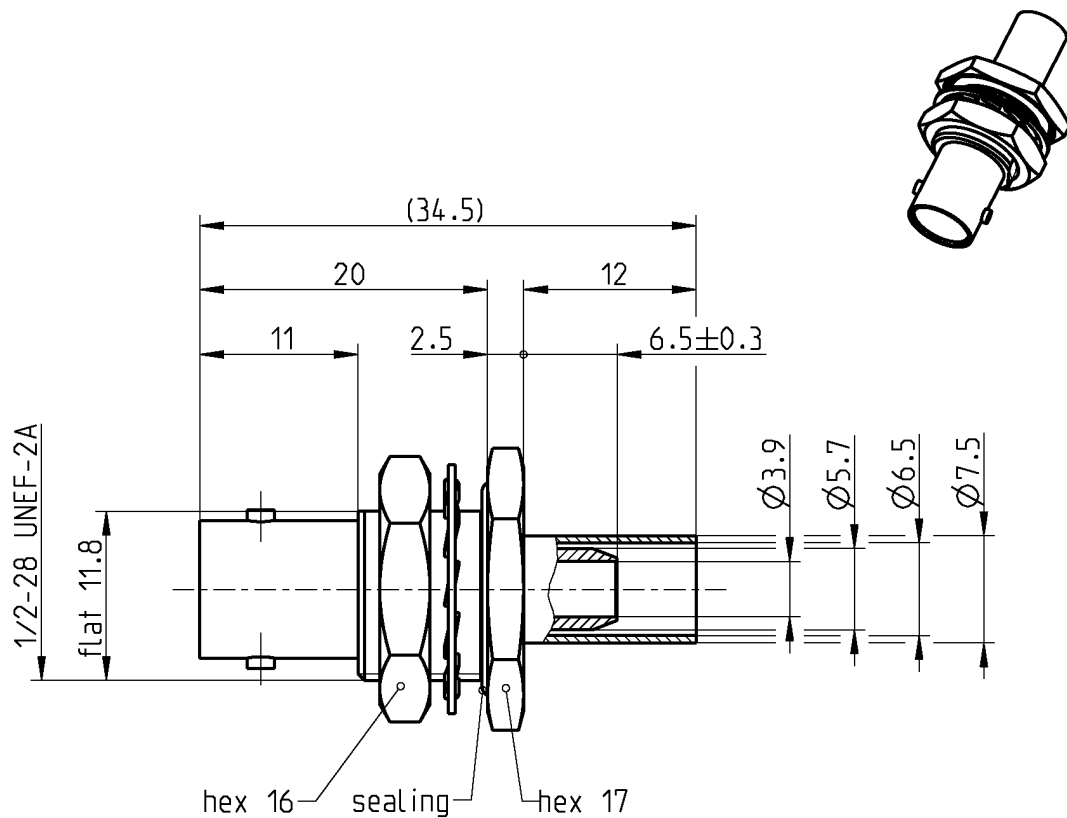




All dimensions are in mm; tolerances according to ISO 2768 m-H

## Interface

Compatible to

IEC 60169-8, MIL-PRF-39012, CECC 22120

## Documents

## Assembly instruction

51 P

### Panel piercing

B 3

## Material and plating

## Connector parts

Center contact

Outer contact

## Body

Dielectric

Gasket

Crimping ferrule

## Material

## Spring bronze

Brass

Brass

PTFE

NBR

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®)

**BNC 75****Ω****BULKHEAD JACK****71K611-109N5****Electrical data**

|                                                |                                             |
|------------------------------------------------|---------------------------------------------|
| Impedance                                      | 75 Ω                                        |
| Frequency                                      | DC to 4 GHz                                 |
| Return loss                                    | ≥ 19 dB, DC to 1 GHz<br>≥ 12 dB, 1 to 2 GHz |
| Insertion loss                                 | ≤ 0.1 x $\sqrt{f}$ [GHz] dB, DC to 2 GHz    |
| Insulation resistance                          | ≥ 5 x10 <sup>3</sup> MΩ                     |
| Center contact resistance                      | ≤ 1.5 mΩ                                    |
| Outer contact resistance                       | ≤ 1 mΩ                                      |
| Test voltage                                   | 1500 V rms                                  |
| Working voltage                                | 400 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   |

**Environmental data**

|                     |                                 |
|---------------------|---------------------------------|
| Temperature range   | -25°C to +110°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  | 11W150-209 |

**Suitable cables**

RG 59 B/U

**Weight**

|        |            |
|--------|------------|
| Weight | 17.9 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                                                                                                                                          | 03/08/04 | Sa. Krautenbacher | 24.03.14 | d00  | 14-0352                                                                                                            | T. Krojer | 24.03.14      |
| 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 |

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