



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 B8

Material and plating

Connector parts

- Center contact
- Outer contact
- Dielectric
- Gasket
- Coupling nut
- Crimping ferrule

Material

- CuBe
- CuBe or equiv.
- PTFE
- Silicone
- CuBe or equiv.
- Copper

Plating

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

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/09.14/6.2

Electrical data

| | |
|--|---|
| Impedance | 50 Ω |
| Frequency | DC to 12.4 GHz |
| VSWR | ≤ 1.04, DC to 1 GHz ≤ 1.05, 1 to 2.5 GHz ≤ 1.20, 2.5 to 5 GHz |
| Insertion loss | ≤ 0.04 x √f(GHz) dB, DC to 5 GHz |
| Insulation resistance | ≥ 5 x10 ³ 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 | ≥ 27 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 | 11W150-108 |

Suitable cables

RG 142 B/U

Weight

| | |
|--------|------------|
| Weight | 3.67 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.



Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/09.14/6.2

| | | | | | | | |
|----------------|----------|-------------|----------|------|---------------------------|----------------|----------|
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
| E. Truc-Vallet | 25.02.14 | Chr. Janßen | 17.11.20 | c00 | 20-1927 | S. Huber-Siegl | 17.11.20 |

| | | | | | | | |
|--|--|--|--|--|--|---------------|--|
| Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de | | | | Tel. : +49 8684 18-0 Email : info@rosenberger.de | | Page 2 / 2 | |
|--|--|--|--|--|--|---------------|--|