



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

Interface

Compatible to IEC 61169-8, MIL-PRF-39012, CECC 22120

Documents

Panel piercing B 32

Material and plating

Connector parts

| | |
|----------------|-------|
| Center contact | CuBe |
| Outer contact | Brass |
| Body | Brass |
| Dielectric | PTFE |

Plating

AuroDur®, gold plated
White bronze(e.g. Optalloy®)
Nickel, 2.5-5 µm

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

RFB00035/12.20/6.4

Electrical data

| | |
|--|---|
| Impedance | 75 Ω |
| Frequency | DC to 4 GHz |
| Return loss | ≥ 20 dB @ DC to 1 GHz ≥ 18 dB @ 1 GHz to 3 GHz ≥ 15 dB @ 3 GHz to 4 GHz |
| Insertion loss | ≤ 0.1 x √ f [GHz] dB |
| Insulation resistance | ≥ 5 GΩ |
| Center contact resistance | ≤ 1.5 mΩ |
| Outer contact resistance | ≤ 1 mΩ |
| Test voltage (at sea level) | 1500 V rms |
| Working voltage (at sea level) | 400 V rms |
| Power handling (at 20 °C, sea level, VSWR 1.0) | 80 W @ 2 GHz |

- Connector only, VSWR in application depends decisive on PCB layout -

Mechanical data

| | |
|---------------|-------|
| Mating cycles | ≥ 500 |
|---------------|-------|

Environmental data

| | |
|----------------------------|--------------------------------------|
| Temperature range | -65 °C to +165 °C |
| Thermal shock | MIL-STD-202, Method 107, Condition B |
| Corrosion resistance | MIL-STD-202, Method 101, Condition B |
| Vibration | MIL-STD-202, Method 204, Condition B |
| Shock | MIL-STD-202, Method 213, Condition G |
| Moisture resistance | MIL-STD-202, Method 106 |
| Max. soldering temperature | IEC 61760-1, +260 °C for 10 sec. |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

| | |
|--------|------------|
| Weight | 16.2 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.



| | | | | | | | |
|-----------------|----------|-------------|----------|------|---------------------------|----------------|----------|
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
| Andreas Fellner | 23.05.12 | Chr. Janßen | 08.03.21 | b00 | 20-1927 | S. Huber-Siegl | 08.03.21 |

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