



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

Interface

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

Documents

PCB layout B 32

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

CuBe
Brass
Brass
PTFE

Plating

AuroDur®, gold plated
Nickel, 2.5-5 µm
Nickel, 2.5-5 µm

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RFB00035/12.20/6.4

Electrical data

| | |
|--|-----------------------------------|
| Impedance | 75 Ω |
| Frequency | DC to 4 GHz |
| Return loss | ≥ 18 dB, DC to 2 GHz |
| Insertion loss | ≤ 0.1 x √ f [GHz] dB, DC to 2 GHz |
| Insulation resistance | ≥ 5 x10 ³ 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 |

- VSWR in application depends decisive on PCB layout -

Mechanical data

| | |
|-----------------------------------|----------|
| Mating cycles | min. 500 |
| Center contact captivation: axial | ≥ 15 N |

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 |
| Max. soldering temperature | IEC 61760-1, +260°C for 10 sec. |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

| | |
|--------|-----------|
| Weight | 6.2 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.



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|------------|----------|-------------|----------|------|---------------------------|----------------|----------|
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
| Wengler J. | 27.07.04 | Chr. Janßen | 08.03.21 | c00 | 20-1927 | S. Huber-Siegl | 08.03.21 |

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