



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

Interface

According to

IEC 61169-16, MIL-PRF-39012, CECC 22210

Documents

Panel piercing

B 176

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

CuBe
Brass
Brass
PTFE

Plating

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

Electrical data

| | |
|--|--|
| Impedance | 50 Ω |
| Frequency | DC to 11 GHz |
| Return loss | ≥ 35 dB, DC to 1 GHz ≥ 28 dB, 1 to 2.5 GHz ≥ 25 dB, 2.5 to 4 GHz |
| Insertion loss | ≤ 0.05 dB, DC to 4 GHz |
| Insulation resistance | ≥ 5 x10 ³ MΩ |
| Center contact resistance | ≤ 1 mΩ |
| Outer contact resistance | ≤ 0.25 mΩ |
| Working voltage | 500 V rms |
| Power handling (at 20 °C, sea level, VSWR 1.0) | 1000 W @ 1 GHz 700 W @ 2 GHz |
| Intermodulation (3 rd order) | ≤ -117 dBm @ 2 x 20 W |

Mechanical data

| | |
|-----------------------------------|------------------|
| Mating cycles | min. 500 |
| Center contact captivation: axial | ≥ 28 N |
| radial | ≥ 3 Ncm |
| Coupling test torque | max. 1.7 Nm |
| Recommended torque | 0.7 Nm to 1.1 Nm |

Environmental data

| | |
|---------------------|---------------------------------|
| Temperature range | -55°C to +155°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. I |
| Moisture resistance | MIL-STD-202, Meth. 106 |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

| | |
|--------|------------|
| Weight | 16.9 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.

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 |
| Inge Mühlauer | 22.06.04 | Chr. Janßen | 19.01.21 | g00 | 20-1927 | S. Huber-Siegl | 19.01.21 |
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