



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

Interface

According to IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

Panel piercing B 2

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

Spring bronze
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 10 GHz |
| Return loss | ≥ 35 dB @ DC to 1 GHz ≥ 25 dB @ 1 GHz to 2.5 GHz ≥ 20 dB @ 2.5 GHz to 4 GHz |
| Insertion loss | ≤ 0.05 x √ f [GHz] dB, DC to 4 GHz |
| 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) | 500 V rms |
| Power handling (at 20 °C, sea level, VSWR 1.0) | 80 W @ 2 GHz |

Mechanical data

| | |
|-----------------------------------|--------------------|
| Mating cycles | ≥ 500 |
| Center contact captivation: axial | ≥ 15 N |
| Coupling test torque | ≤ 1.7 Nm |
| Recommended torque | 0.46 Nm to 0.69 Nm |

Environmental data

| | |
|---------------------|--------------------------------------|
| Temperature range | -45 °C to +85 °C |
| Thermal shock | MIL-STD-202, Method 107, Condition B |
| Corrosion | 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 |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

Weight 8.3 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 |
| Inge Mühlauer | 10.08.04 | Chr. Janßen | 28.01.21 | e00 | 20-1927 | S. Huber-Siegl | 28.01.21 |

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