



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

Rosenberger Hochfrequenztechnik GmbH & Co. KG  
P.O.Box 1260 D-84526 Tittmoning Germany  
[www.rosenberger.com](http://www.rosenberger.com)

Tel. : +49 8684 18-0  
Email : [info@rosenberger.com](mailto:info@rosenberger.com)

Page  
2 / 2