



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

**Interface**

According to Rosenberger P-SMP

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric

**Material**

CuBe  
CuBe  
PTFE

**Plating**

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

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**Electrical data**

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 30 dB, DC to 2 GHz ≥ 27 dB, 2 to 4 GHz ≥ 24 dB, 4 to 6 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage (at sea level)	1000 V rms
Working voltage (at sea level)	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2.2 GHz
Intermodulation (3 <sup>rd</sup> order)	≥ 160 dBc (2 x 43 dBm)

**Mechanical data**

Mating cycles	
if mating part is Smooth bore, Catchers mitt	≥ 1000
if mating part is Limited detent	≥ 100
if mating part is Full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- Smooth bore, Catchers mitt	≤ 10 N
- Limited detent	≤ 45 N
- Full detent	≤ 68 N
Disengagement force	
- Smooth bore, Catchers mitt	≥ 2.2 N
- Limited detent	≥ 15 N
- Full detent	≥ 25 N
Permissible angular misalignment	2.8°

**Environmental data**

Temperature range	-65°C to +165°C
Rapid change of temperature	IEC 60169-1, Sub-clause 16.4 (-65°C to +165°C)
Vibration	IEC 60068-2-64 random
Shock	IEC 60068-2-27 (half-sine)
High temperature endurance	IEC 60169-1, Sub-clause 18 (+165°C, 1000 hours)
RoHS	compliant

**Weight**

Weight	1.5 g/pce
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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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