



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

**Interface**

According to

Rosenberger P-SMP

**Documents**

Panel piercing

B 30

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Dielectric

**Material**

- Brass
- Brass
- PEEK

**Plating**

- AuroDur®, gold plated
- AuroDur®, gold plated

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RF\_35/05\_10/6.0

**Electrical data**

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 30 dB @ DC to 4 GHz ≥ 25 dB @ 4 GHz to 6 GHz
Insertion loss	≤ 0.03 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)

- Connector only, VSWR in application depends decisive on PCB layout

**Mechanical data**

Mating cycles	≥ 100
Center contact captivation	≥ 7 N
Engagement force	≤ 45 N
Disengagement force	≥ 15 N

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

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	100 pcs in blister
Weight	1.1g / pc

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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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