



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

**Interface**

According to P-SMP side: Rosenberger P-SMP  
SMA side: IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

**Documents**

N/A

**Material and plating**

**Connector parts**

- Center contact
- Outer contact P-SMP side
- Outer contact SMA side
- Coupling nut
- Dielectric

**Material**

- CuBe
- Stainless steel
- Stainless steel
- Stainless steel
- PTFE

**Plating**

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

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# Technical Data Sheet

# Rosenberger

P-SMP

Adaptor  
P-SMP Plug – SMA Plug

**119S132-S00S5**

## Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 38 dB, DC to 4 GHz ≥ 26 dB, 4 to 10 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 10 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2.2 GHz

## Mechanical data

	P-SMP side	SMA side
Mating cycles	≥ 100	≥ 500
Coupling nut retention	N/A	≥ 270 N
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force		N/A
- limited detent	45 N max.	
Disengagement force		N/A
- limited detent	10 N min.	
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.8 Nm to 1.1 Nm

## Environmental data

Temperature range	-55°C to +155°C
Rapid change of temperature	IEC 60169-1, Sub-clause 16.4 (-55°C to +155°C)
Vibration	IEC 60068-2-64 random
Shock	IEC 60068-2-27 (half-sine)
High temperature endurance	IEC 60169-1, Sub-clause 18 (+155°C, 1000 hours)
RoHS	compliant

## Tooling

N/A

## Suitable cables

N/A

## Weight

Weight 6.5 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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M. Schmid	10.11.08	Chr. Janßen	19.10.20	d00	20-1927	S. Huber-Siegl	19.10.20

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