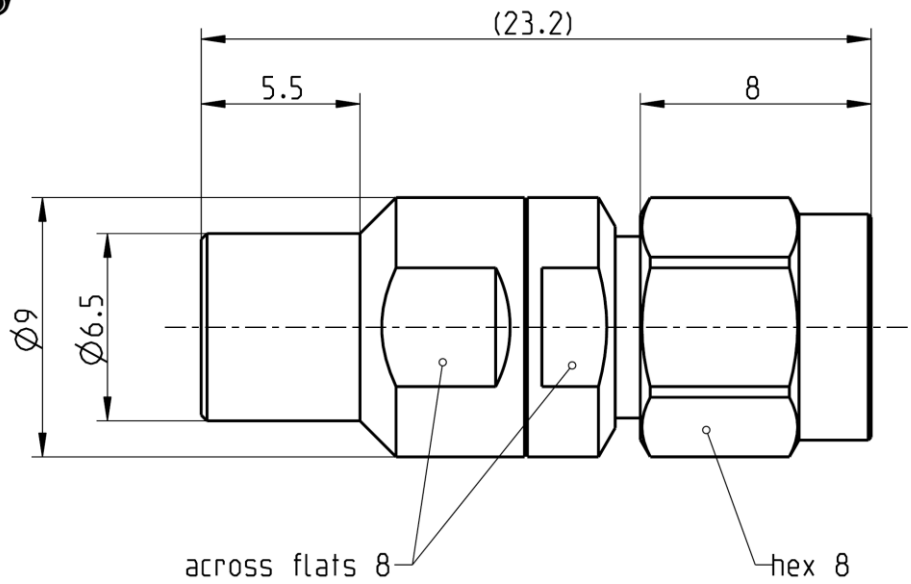
Technical Data Sheet		Rosenberger
P-SMP	Adaptor P-SMP Plug – SMA Plug	**119S132-S00S5**



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	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact P-SMP side	Stainless steel	Passivated
Outer contact SMA side	Stainless steel	Passivated
Coupling nut	Stainless steel	Passivated
Dielectric	PTFE	

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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 $\sqrt{f(GHz)}$ 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

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.

Draft	Date	Approved	Date
M. Schmid	10.11.08	Chr. Janßen	19.10.20

Rev.	Engineering change number	Name	Date
d00	20-1927	S. Huber-Siegl	19.10.20

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