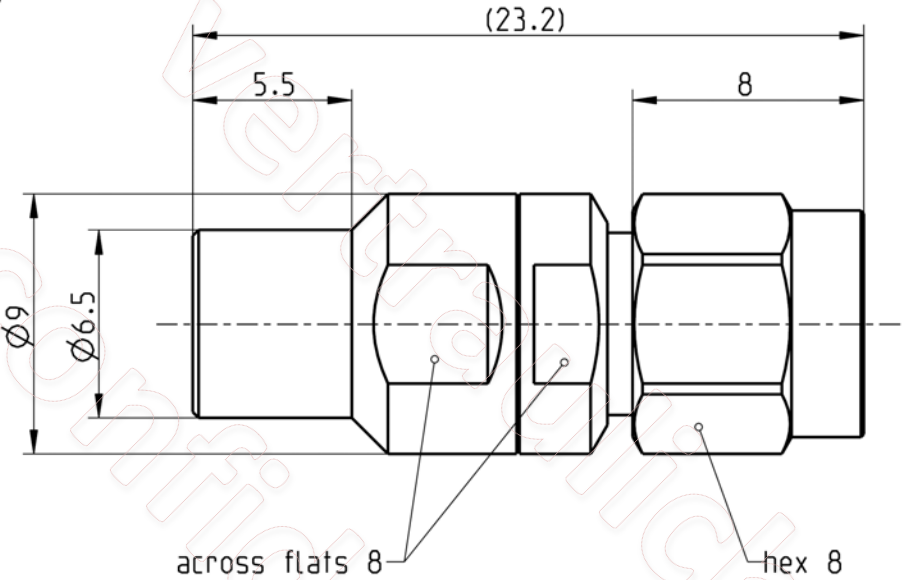
TECHNICAL DATA SHEET	Rosenberger
ADAPTOR P-SMP PLUG – SMA PLUG	**119S132-S00S5**



All dimensions are in mm; tolerances acc. 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	Beryllium copper	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	

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel.: +49 8684 18-0
Fax: +49 8684 18-499
email: info@rosenberger.de

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)
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	6.5 g/pc

Draft	Date	Approved	Date
M. Schmid	10.11.08	Sa. Krautenbacher	11.03.14

Rev.	Engineering change number	Name	Date
c00	14-0352	T. Krojer	11.03.14

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