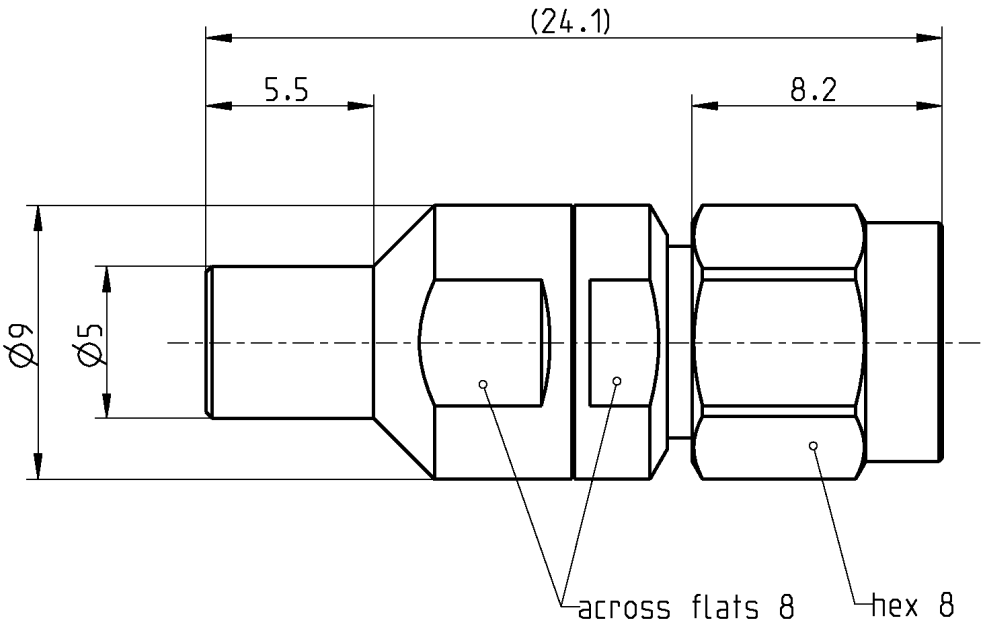
TECHNICAL DATA SHEET	Rosenberger
ADAPTOR SMP PLUG – SMA PLUG	**19S132-S00S3**



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

Interface

According to	SMP side:	MIL-STD-348A, Fig. 326
	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	Gold, min. 1.27 µm, over chemical nickel
Outer contact 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

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Electrical data

Impedance	50 Ω	
Frequency	DC to 26.5 GHz	
Return loss	≥ 35 dB, DC to 4 GHz ≥ 26 dB, 4 to 10 GHz ≥ 18 dB, 10 to 26.5 GHz	
Insertion loss	$\leq 0.05 \times \sqrt{f(GHz)}$ dB	
Insulation resistance	≥ 5 GΩ	
Center contact resistance	≤ 6.0 mΩ, SMP side;	≤ 3 mΩ, SMA side
Outer contact resistance	≤ 2.0 mΩ, SMP side;	≤ 2 mΩ, SMA side
Test voltage	500 V rms	
Working voltage	335 V rms	
Contact Current	1.2A DC max.	

Mechanical data

	SMP side	SMA side
Mating cycles	≥ 500	min. 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	9 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	-65°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 5.9 g/pce

Draft	Date	Approved	Date
Inge Mühlauer	24/08/04	Sa. Krautenbacher	12.03.14

Rev.	Engineering change number	Name	Date
d00	14-0352	T. Krojer	12.03.14

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