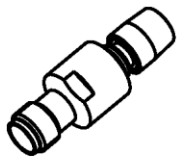
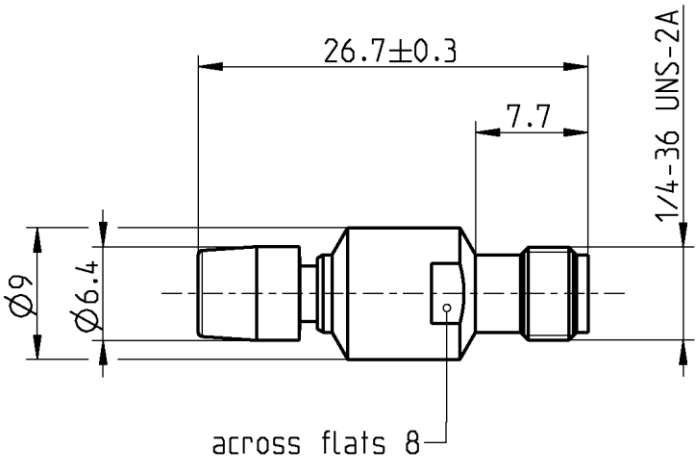
Technical Data Sheet		Rosenberger
SMB SMA	Adaptor SMB Jack – SMA Jack	**59K132-K00L5**





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

Interface

According to	SMB side:	IEC 60169-10, CECC 22130, MIL-PRF-39012
	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 SMB side	CuBe	AuroDur®, gold plated
Outer contact SMA side	CuBe or equiv.	AuroDur®, gold plated
Dielectric	PTFE	

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Electrical data

Impedance	50 Ω	
Frequency	DC to 4 GHz	
Return loss	≥ 35 dB, DC to 1 GHz	
	≥ 27 dB, 1 to 4 GHz	
Insertion loss	≤ 0.05 x $\sqrt{f(GHz)}$ dB	
Insulation resistance	≥ 1x10^3 MΩ	
Center contact resistance	≤ 5 mΩ, SMB side	≤ 3 mΩ, SMA side
Outer contact resistance	≤ 2.5 mΩ, SMB side	≤ 2 mΩ, SMA side
Test voltage	750 V rms, 50 Hz, at sea level	
Working voltage	≤ 250 V rms, 50 Hz, at sea level	
Contact current	1.5 A DC typ.	
RF-leakage	≥ 55 dB up to 1 GHz	

Mechanical data

	SMB side	SMA side
Mating cycles	min. 500	min. 500
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.8 Nm to 1.1 Nm
Center contact captivation: axial	≥ 10 N	≥ 10 N
Engagement force	≤ 63 N	N/A
Disengagement force	8 N min. to 63 N max.	N/A

Environmental data

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	5.9 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.



Draft	Date	Approved	Date
Inge Mühlauer	14.12.04	Chr. Janßen	04.02.21

Rev.	Engineering change number	Name	Date
c00	20-1927	S. Huber-Siegl	04.02.21

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