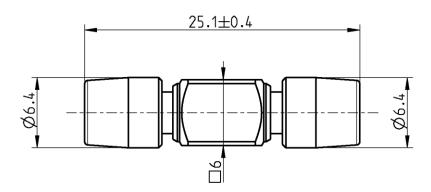
Technical Data Sheet		Rosenberger		
SMB	Adaptor Jack – Jack	59K101-K00L5		





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

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Connector parts	wateriai	Plating
Center contact	CuBe	AuroDur®, gold plated
Outer contact	CuBe	AuroDur®, gold plated
Body	Brass	Gold, 0.1 µm min.
Dielectric	PTFE	

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Technical Data Sheet Rosenberger SMB Adaptor Jack – Jack 59K101-K00L5

Electrical data

Impedance 50Ω

Frequency DC to 4 GHz

Return loss \geq 31 dB, DC to 1 GHz

≥ 29 dB, 1 to 2 GHz

≥ 21 dB, 2 to 4 GHz

Insertion loss $\leq 0.1 \text{ x } \sqrt{f(GHz)} \text{ dB}$

 $\begin{array}{ll} \mbox{Insulation resistance} & \geq 1 \mbox{x} 10^3 \ \mbox{M}\Omega \\ \mbox{Center contact resistance} & \leq 5 \ \mbox{m}\Omega \\ \mbox{Outer contact resistance} & \leq 2.5 \ \mbox{m}\Omega \end{array}$

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

Mating cycles ≥ 500 Center contact captivation: axial $\geq 10 \text{ N}$ Engagement force $\leq 63 \text{ N}$

Disengagement force 8 N min. to 63 N max.

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

N/A

N/A

Moisture resistance MIL-STD-202, Meth. 106

RoHS compliant

Tooling

Suitable cables

Weight

Weight 4.8 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	Rev.	Engineering change number	Name	Date
Inge Mühlauer	29.06.07	Chr. Janßen	03.02.21	c00	20-1927	S. Huber-Siegl	03.02.21

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