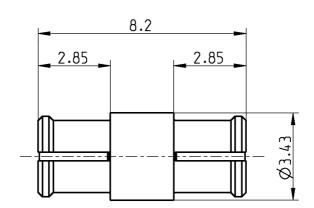
TECHNICAL DATA SHEET	Rosenberger
Adaptor SMP jack - jack	19K110-K00L5





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

Interface	
According to	MIL-STD-348A, Fig. 326

Documents	
	N/A

Material and plating		
Connector parts	Material	Plating
Center contact	CuBe	AuroDur®, gold plated
Outer contact	CuBe	AuroDur®, gold plated
Dielectric	PTFE	

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TECHNICAL DATA SHEET

Rosenberger

Adaptor SMP jack - jack

19K110-K00L5

Electrical data

Impedance 50 Ω

Frequency DC to 26.5 GHz Return loss \geq 30 dB, DC to 4 GHz \geq 20 dB, 4 to 12 GHz

 \geq 15 dB, 12 to 18 GHz

Insertion loss $\leq 0.1 \text{ x} \sqrt{f(GHz)}$ dB, DC to 18 GHz

 $\begin{array}{lll} \mbox{Insulation resistance} & \geq 5 \ \mbox{G}\Omega \\ \mbox{Center contact resistance} & \leq 6.0 \ \mbox{m}\Omega \\ \mbox{Outer contact resistance} & \leq 2.0 \ \mbox{m}\Omega \\ \mbox{Test voltage} & 500 \ \mbox{V rms} \\ \mbox{Working voltage} & 335 \ \mbox{V rms} \\ \mbox{Contact Current} & 1.2A \ \mbox{DC max}. \end{array}$

Mechanical data

Mating cycles

 $\begin{array}{ll} \text{if mating part is smooth bore} & \geq 1000 \\ \text{if mating part is limited detent} & \geq 500 \\ \text{if mating part is full detent} & \geq 100 \\ \text{Center contact captivation} & \geq 7 \text{ N} \\ \end{array}$

Engagement force

smooth bore
limited detent
full detent
68 N max.

Disengagement force

smooth bore
limited detent
full detent
2.2 N min.
full detent
22 N min.

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

Suitable cables

N/A

N/A

Weight

Weight 0.23 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.

Draft	Date	Approved	Date		Rev.	Engineering change number	Name	Date
A. König	27/09/07	Sa. Krautenbacher	12.03.14		b00	14-0352	T. Krojer	12.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany				1 .	el.: +49 8684 18-0 x: +49 8684 18-499		Page	
P.O.Box 1260 D-84526 Tittmoning Germany <u>www.rosenberger.de</u>			1	nail: <u>info@rosenberger.de</u>		2/2		

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