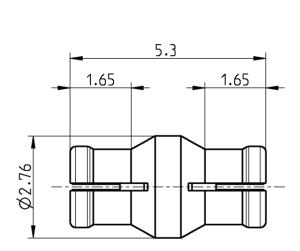
Technical Data Sheet		Rosenberger		
Mini-SMP	Adaptor Jack - Jack	18K101-K00L5		





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

Interface

According to

MIL-STD-348

Mateable with GPPO[™] (Gilbert Engineering Co., Inc.) and SSMP[™] (Connectors Devices, Inc.)

Documents

N/A

Material and plating

Connector parts

Center contact Outer contact Dielectric Material CuBe CuBe

PTFE

Plating AuroDur®, gold plated AuroDur®, gold plated

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Technical Data Sheet

Rosenberger

Mini-SMP

Adaptor Jack - Jack

18K101-K00L5

Electrical data

Impedance 50Ω

Frequency DC to 65 GHz Return loss \geq 26 dB, DC to 18 GHz

≥ 15 dB, 18 to 26.5 GHz

 \geq 13 dB, 26.5 to 50 GHz

Insertion loss $\leq 0.05 \text{ x } \sqrt{\text{f(GHz)}} \text{ dB}$

 $\begin{array}{ll} \mbox{Insulation resistance} & \geq 5 \ \mbox{G}\Omega \\ \mbox{Center contact resistance} & \leq 6.0 \ \mbox{m}\Omega \\ \mbox{Outer contact resistance} & \leq 2.0 \ \mbox{m}\Omega \\ \mbox{Working voltage (at sea level)} & 325 \ \mbox{V rms} \\ \mbox{(at 70000 feet)} & 125 \ \mbox{V rms} \end{array}$

Mechanical data

Mating cycles

 if mating part is smooth bore
 ≥ 500

 if mating part is full detent
 ≥ 100

 Center contact captivation
 $\geq 7 \text{ N}$

Engagement force

smooth borefull detent11 N typical19 N typical

Disengagement force

- smooth bore 11 N typical full detent 29 N typical

Environmental data

Temperature range -55°C to +155°C
Thermal shock MIL-STD-202, Method 107, Condition B

Vibration MIL-STD-202, Method 204, Condition A Shock MIL-STD-202, Method 213, Condition A

Moisture resistance MIL-STD-202, Method 106 Climatic Category IEC 60068 55/155/21

RoHS compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 0.1 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
J. Wengler	25.01.08	Chr. Janßen	20.10.20	f00	20-1927	S. Huber-Siegl	20.10.20

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