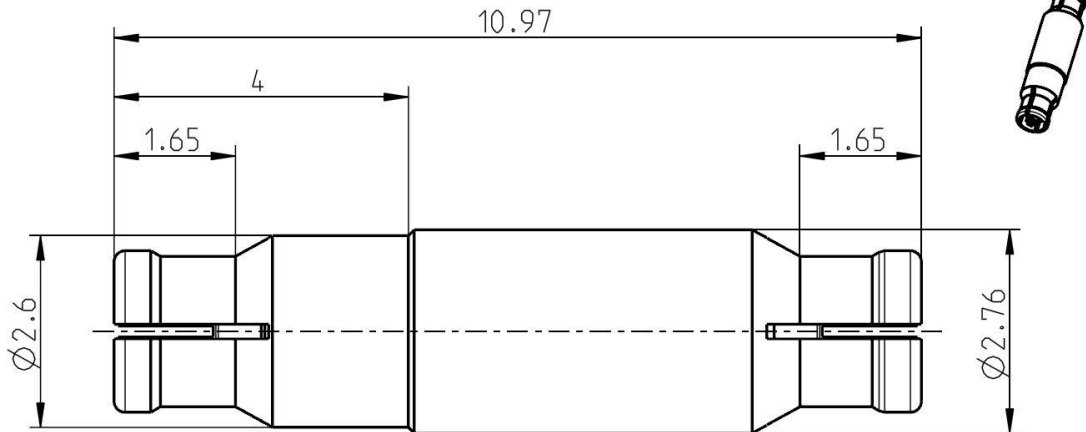


Mini-SMP

Adaptor  
Jack - Jack

**18K107-K00L5**



All dimensions are in mm; tolerances acc. 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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Mini-SMP

Adaptor  
Jack - Jack

**18K107-K00L5**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 65 GHz  
 Return loss ≥ 26 dB @ DC to 18 GHz  
 ≥ 15 dB @ 18 GHz to 26.5 GHz  
 ≥ 13 dB @ 26.5 GHz to 50 GHz  
 Insertion loss ≤ 0.05 x √f [GHz] dB  
 Insulation resistance ≥ 5 GΩ  
 Center contact resistance ≤ 6 mΩ  
 Outer contact resistance ≤ 2 mΩ  
 Working voltage (at sea level) 325 V rms  
 (at 70000 feet) 125 V rms

**Mechanical data**

Mating cycles  
 if mating part is Smooth bore ≥ 500  
 if mating part is Full detent ≥ 100  
 Center contact captivation ≥ 7 N  
 Engagement force  
 - Smooth bore 11 N typical  
 - Full detent 19 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 B  
 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 0.2 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.



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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Chr. Entsfellner	25.04.06	Chr. Janßen	15.10.20	e00	20-1927	S. Huber-Siegl	15.10.20

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>				Tel. : +49 8684 18-0 Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>			Page 2 / 2
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