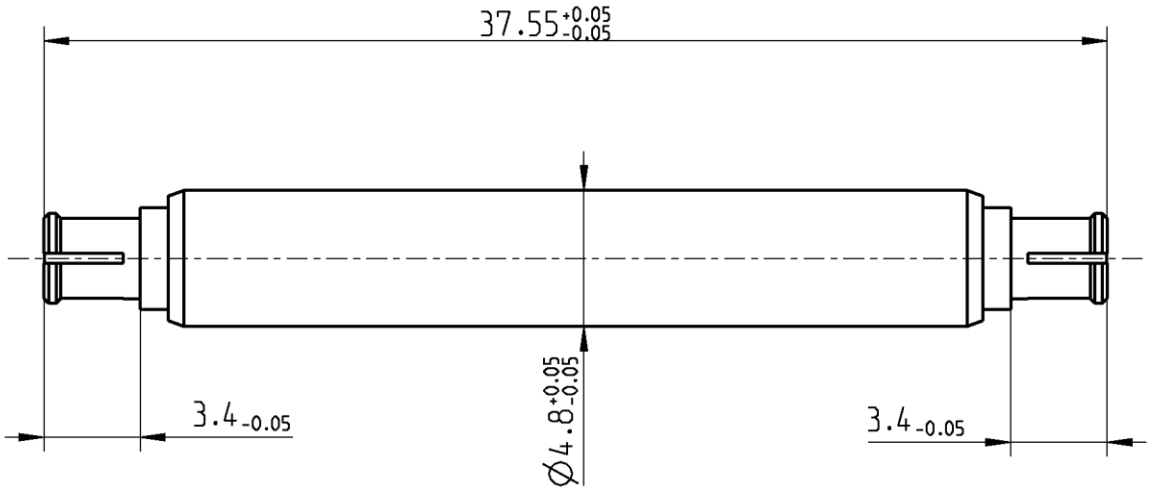
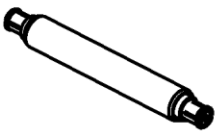
Technical Data Sheet		Rosenberger
SMP	Adaptor Jack – Jack	**19K119-K06L5**





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

Interface

According to MIL-STD-348

Documents

N/A

Material and plating

Connector parts	Material	Plating
Center contact	CuBe	AuroDur®, gold plated
Outer contact	CuBe	AuroDur®, gold plated
Body	Brass	AuroDur®, gold plated
Dielectric	PTFE	

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Technical Data Sheet		Rosenberger
SMP	Adaptor Jack – Jack	**19K119-K06L5**

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 30 dB @ DC to 4 GHz ≥ 20 dB @ 4 GHz to 18 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f\,[GHz]}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage (at sea level)	500 V rms
Working voltage (at sea level)	335 V rms
Contact Current	≤ 1.2A DC

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	
if mating part is Smooth bore, Catcher´s Mitt	≥ 1000
if mating part is Limited detent	≥ 500
if mating part is Full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- Smooth bore, Catcher´s Mitt	≤ 9 N
- Limited detent	≤ 45 N
- Full detent	≤ 68 N
Disengagement force	
- Smooth bore, Catcher´s Mitt	≥ 2.2 N
- Limited detent	≥ 9 N
- Full detent	≥ 22 N

Environmental data

Temperature range	-65 °C to +155 °C
Rapid change of temperature	IEC 60068-2-14 (-65 °C to 155 °C, 1h dwell, 50 cycles)
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Damp heat	IEC 60068-2-78 (40°C, 93% RH, 56d)
High temperature endurance	IEC 61169-1, Sub-clause 9.6 (+155 °C, 1000 hours)
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	3.6 g/pce

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.

Draft	Date	Approved	Date
A. König	13.04.2005	Chr. Janßen	26.10.20

Rev.	Engineering change number	Name	Date
d00	20-1927	S. Huber-Siegl	26.10.20

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