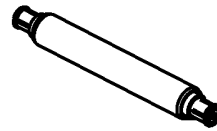
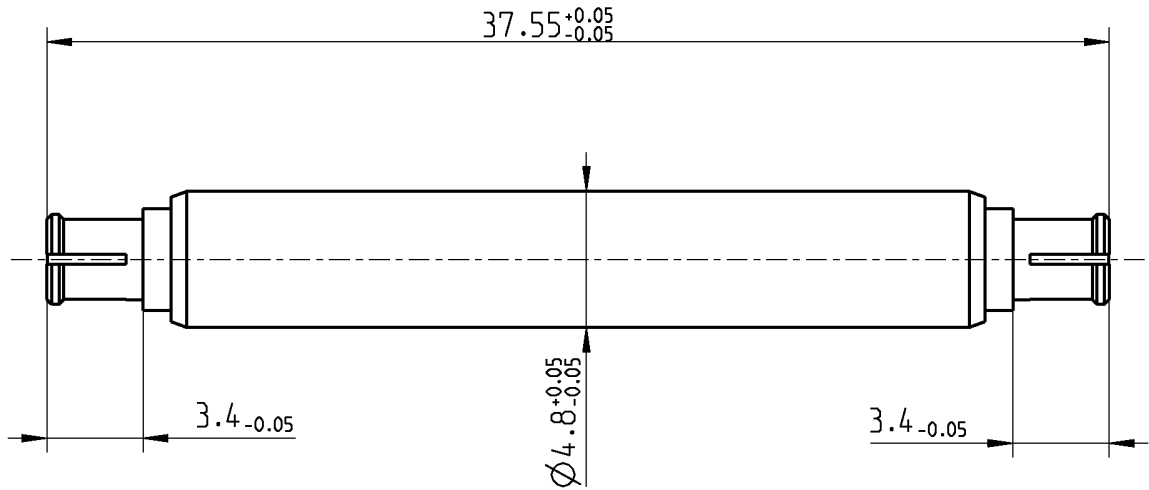


SMP

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

Center contact
Outer contact
Body
Dielectric

Material

CuBe
CuBe
Brass
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated
AuroDur®, gold plated

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/05.10/6.0

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 ≤ 0.1 x √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

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.

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/05.10/6.0

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
A. König	13.04.2005	J_Krautenbacher	14.07.16	c00	15-1629	I_Wallner	14.07.16
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de						Tel. : +49 8684 18-0 Email : info@rosenberger.de	
							Page 2 / 2