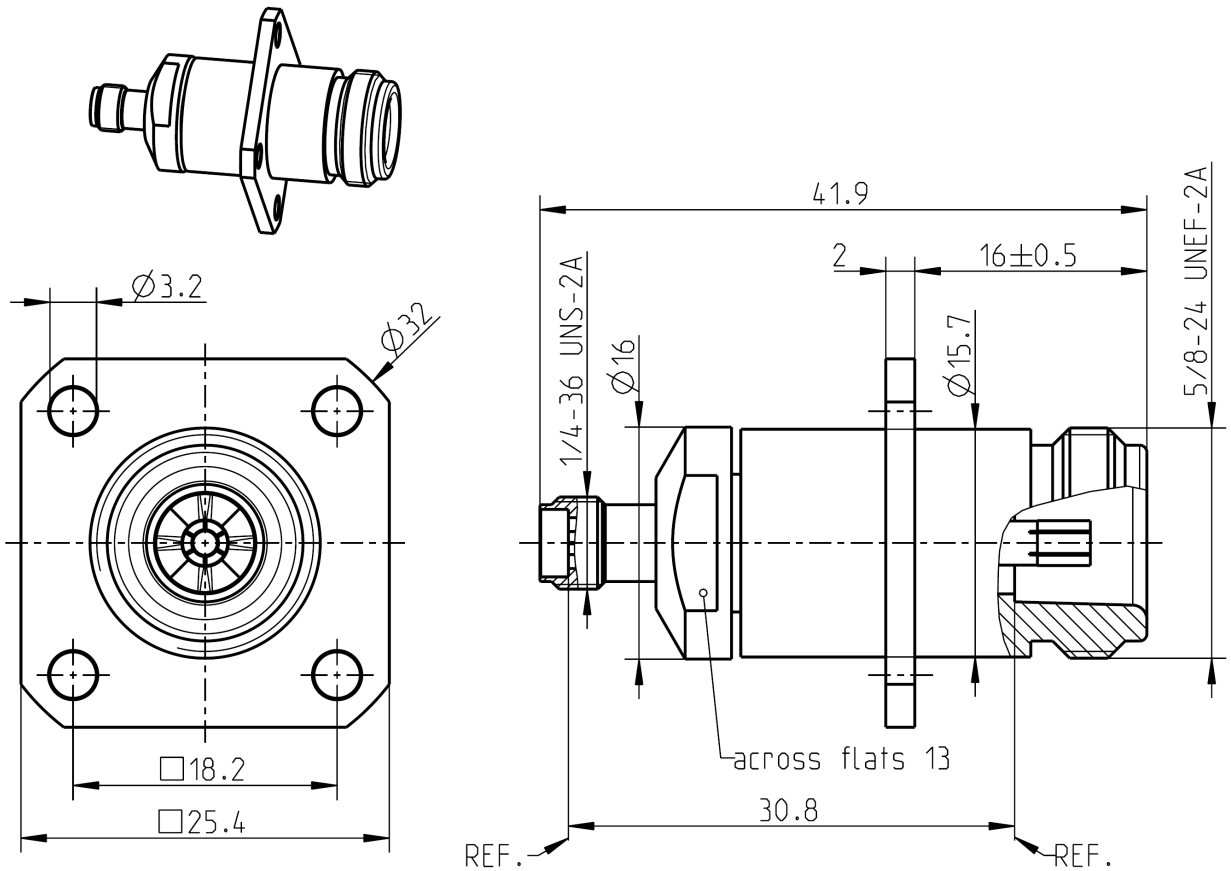


Adaptor  
RPC-3.50 jack – RPC-N 50 Ω jack

**03K405-K00S3**



All dimensions are in mm; tolerances according to ISO 2768 mH

**Interface**

RPC-3.50 according to  
RPC-3.50 mechanically compatible with  
RPC-N according to

IEC 60169-23  
RPC-2.92 and SMA  
IEC 61169-16; CECC 22 210; MIL-STD 348A/402

**Documents**

Panel piercing

B 12

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric

**Material**

CuBe  
Stainless steel  
PPE

**Plating**

Gold, min. 1.27 µm, over chemical nickel  
Passivated

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Adaptor  
RPC-3.50 jack – RPC-N 50 Ω jack

**03K405-K00S3**

**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 26 dB, DC to 18 GHz
Insertion loss	≤ 0.05 x √ f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance RPC-3.50	≤ 3.0 mΩ
Outer contact resistance RPC-3.50	≤ 2.0 mΩ
Center contact resistance RPC-N	≤ 1.0 mΩ
Outer contact resistance RPC-N	≤ 1.0 mΩ
Test voltage	1000 V rms
Working voltage	335 V rms
RF-leakage	≥ 90 dB up to 1 GHz

**Mechanical data**

Mating cycles	≥ 500
Center contact captivation	≥ 28 N
Coupling test torque	1.70 Nm
Recommended torque	0.80 Nm to 1.10 Nm

**Environmental data**

Temperature range	-40°C to +85°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	1 pce in box
Weight	46.5 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
O. Krautenbacher	02.12.13	Herbert Babinger	22.05.14	c00	14-0729	Walter Schmied	21.05.14

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