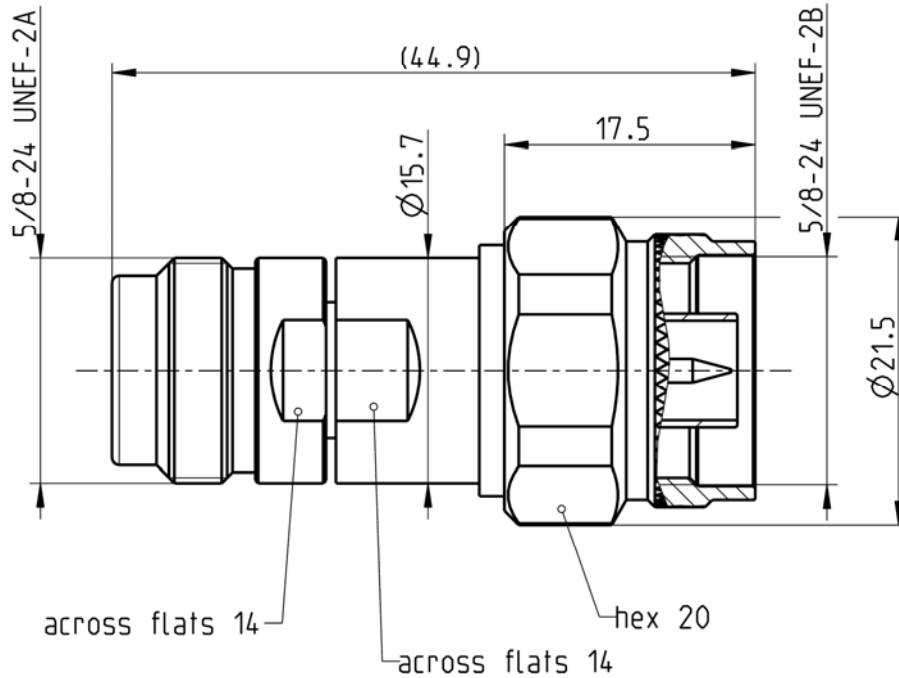
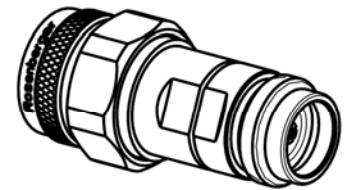


ADAPTOR  
SnapN 50Ω JACK - RPC-N 50Ω PLUG

53QK105-S00S3



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

**Interface**

RPC-N according to

IEC 60169-16 ; CECC 22 210 ; MIL-STD 348A/304

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Coupling nut  
Dielectric

**Material**

Beryllium copper  
Stainless steel  
Stainless steel  
PPE

**Plating**

Gold, min. 1.27  $\mu\text{m}$ , over chemical nickel  
Passivated  
Passivated

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RF\_35/09.14/6.2

**ADAPTOR**  
**SnapN 50Ω JACK - RPC-N 50Ω PLUG**

**53QK105-S00S3**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 18 GHz  
 Return loss ≥ 28 dB, DC to 11 GHz  
 ≥ 26 dB, 11 GHz to 18 GHz  
 Insertion loss ≤ 0.05 dB x √ f [GHz] dB  
 Insulation resistance ≥ 5 GΩ  
 Center contact resistance ≤ 1 mΩ  
 Outer contact resistance ≤ 1 mΩ  
 Test voltage (at sea level) 2500 V rms  
 Working voltage (at sea level) 500 V rms  
 RF-leakage ≥ 90 dB @ DC to 1 GHz

**Mechanical data**

Mating cycles RPC-N ≥ 500  
 Mating cycles SnapN ≥ 200  
 Center contact captivation ≥ 28 N  
 Coupling test torque RPC-N 1.70 Nm  
 Recommended torque RPC-N 0.70 Nm to 1.10 Nm  
 Engagement force SnapN 30 N typical  
 Disengagement force SnapN 30 N typical

**Environmental data**

Temperature range -40°C to +85°C  
 Thermal shock IEC 61169-1, Subclause 9.4.4  
 Corrosion IEC 61169-1, Subclause 9.4.6  
 Vibration IEC 61169-1, Subclause 9.3.3  
 Shock IEC 61169-1, Subclause 9.3.14  
 Moisture resistance IEC 61169-1, Subclause 9.4.3  
 RoHS compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 49.5 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
Andreas Fellner	22/11/04	J_Gramsamer	31.03.15	c00	15-0397	J_Krautenbacher	31.03.15