

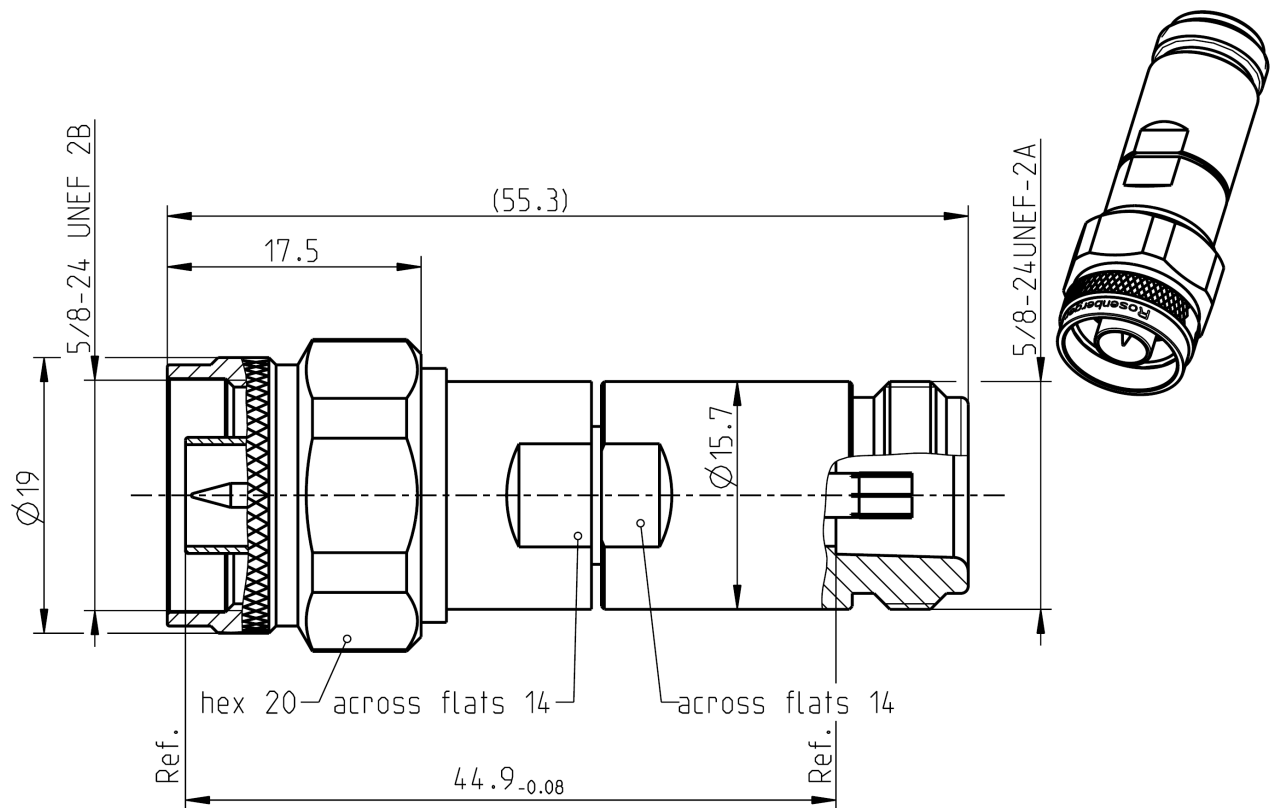
Technical Data Sheet

Rosenberger

RPC-N
50 Ω

Adapter
Plug – Jack

05S121-K00S3



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

Interface

According to

IEC 61169-16 ; CECC 22 210 ; MIL-STD 348A/402

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut
Dielectric

Material

CuBe
Stainless steel
Stainless steel
PPE

Plating

Gold, min. 1.27 μ m, over chemical nickel
Passivated
Passivated

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RPC-N 50 Ω		Adapter Plug – Jack		05S121-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		≤ 1.0 mΩ					
Outer contact resistance		≤ 1.0 mΩ					
Test voltage		2500 V rms					
Working voltage		1000 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		0.70 Nm to 1.10 Nm					
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
Packing							
Standard		1 pce in box					
Weight		64.2 g/pce					
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