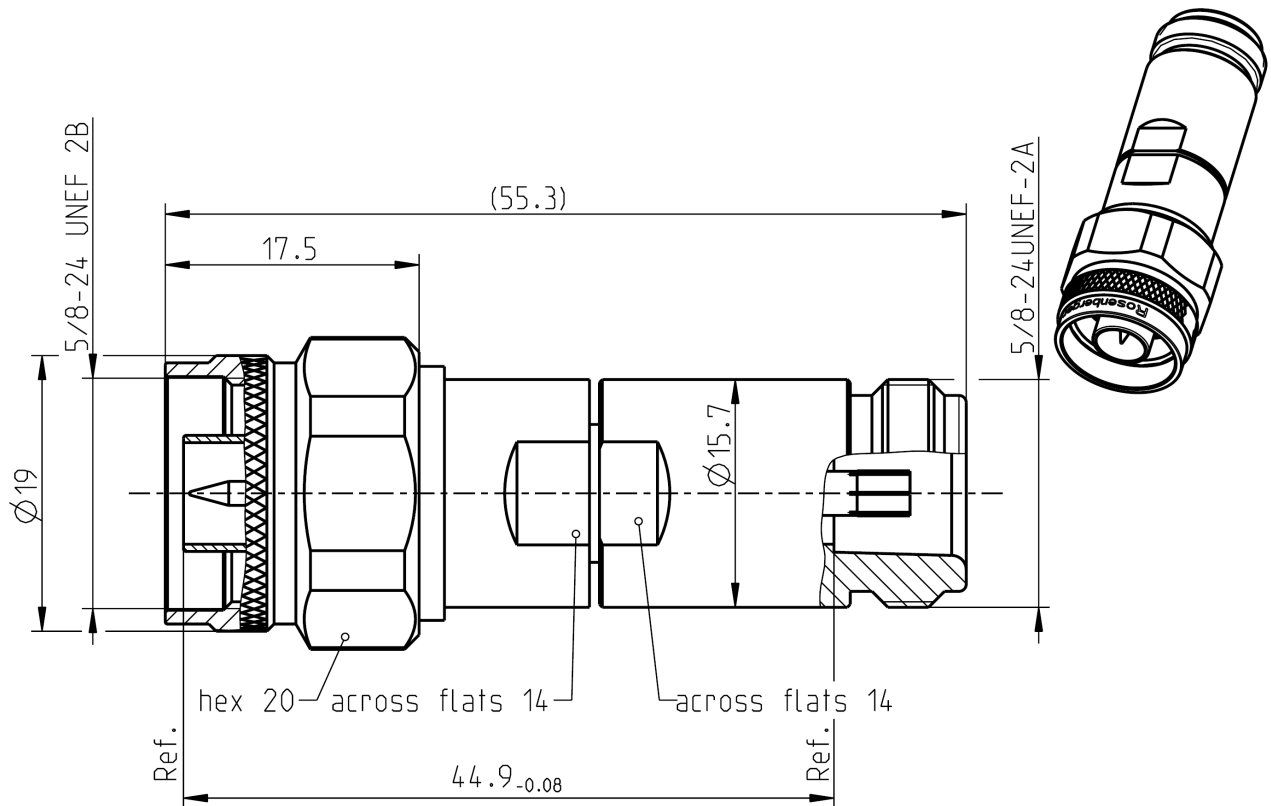


RPC-N
50 Ω

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 µm, over chemical nickel
Passivated
Passivated

Technical Data Sheet				Rosenberger			
RPC-N 50 Ω		Adapter Plug – Jack		05S121-K00S3			
Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Center contact resistance Outer contact resistance Test voltage Working voltage RF-leakage 50 Ω DC to 18 GHz ≥ 26 dB, DC to 18 GHz ≤ 0.05 x √f(GHz) dB ≥ 5 GΩ ≤ 1.0 mΩ ≤ 1.0 mΩ 2500 V rms 1000 V rms ≥ 90 dB up to 1 GHz							
Mechanical data Mating cycles Center contact captivation Coupling test torque Recommended torque ≥ 500 ≥ 28 N 1.70 Nm 0.70 Nm to 1.10 Nm							
Environmental data Temperature range Thermal shock Corrosion Vibration Shock Moisture resistance RoHS -40°C to +85°C IEC 61169-1, Subclause 9.4.4 IEC 61169-1, Subclause 9.4.6 IEC 61169-1, Subclause 9.3.3 IEC 61169-1, Subclause 9.3.14 IEC 61169-1, Subclause 9.4.3 compliant							
Tooling N/A							
Suitable cables N/A							
Packing Standard Weight 1 pce in box 64.2 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
Herbert Babinger	27.07.04	Scherbauer M.	12.12.14	d00	14-1821	Maik Knoll	12.12.14
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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Rosenberger:](#)

[05S121-K00S3](#)