

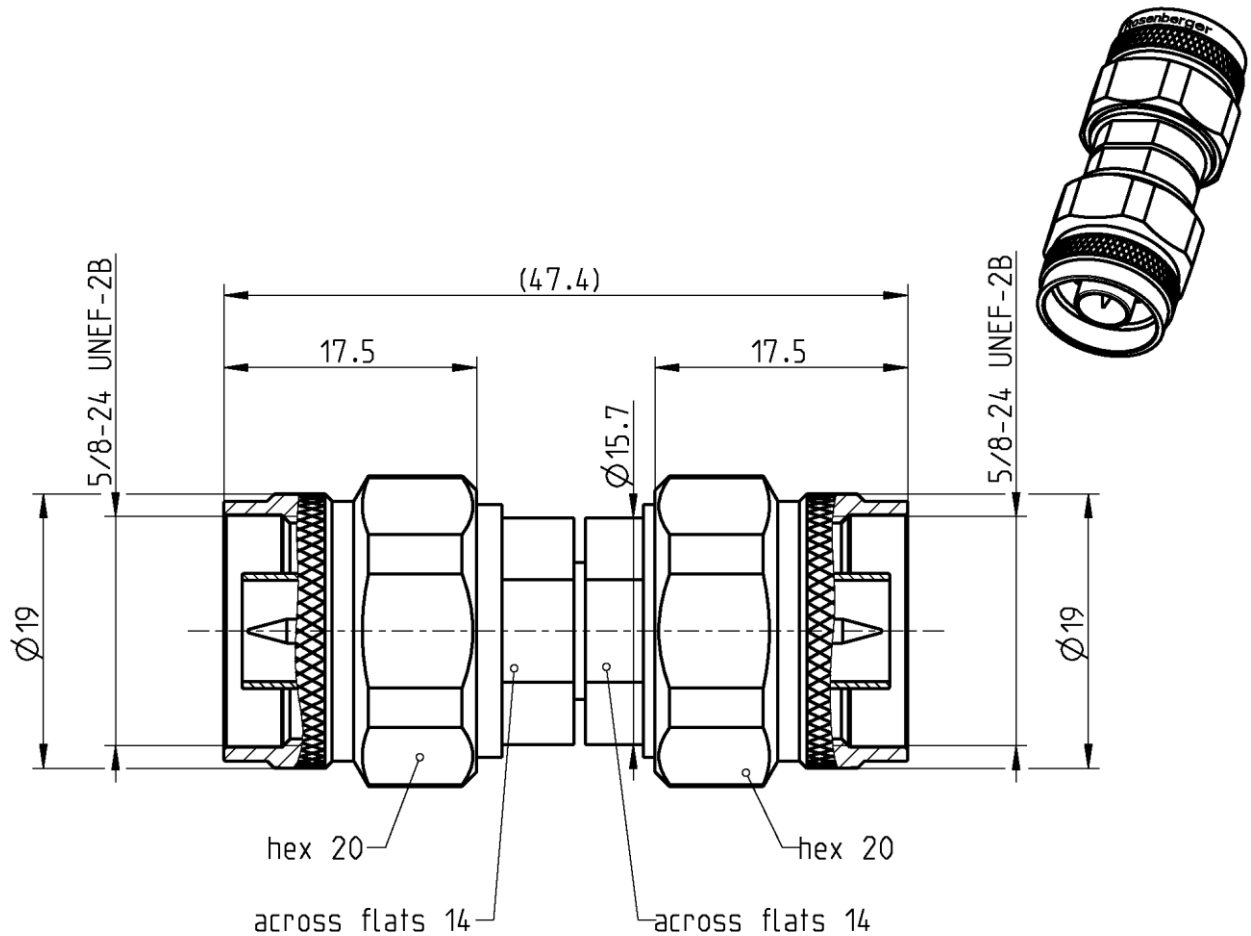
Technical Data Sheet

Rosenberger

RPC-N
50 Ω

Adaptor
plug – plug

05S121-S00S3



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

Interface

According to

IEC 61169-16; 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		Adaptor plug – plug		05S121-S00S3			
Electrical data Impedance50 Ω FrequencyDC to 18 GHz Return loss≥ 26 dB, DC to 18 GHz Insertion loss≤ 0.05 x √f(GHz) dB Insulation resistance≥ 5 GΩ Test voltage (at sea level)2500 V rms Working voltage (at sea level)1000 V rms RF-leakage≥ 90 dB up to 1 GHz							
Mechanical data Mating cycles≥ 500 Center contact captivation≥ 28 N Coupling test torque1.70 Nm Recommended torque0.70 Nm to 1.10 Nm							
Environmental data Temperature range-40°C to +85°C Thermal shockIEC 61169-1, Subclause 9.4.4 CorrosionIEC 61169-1, Subclause 9.4.6 VibrationIEC 61169-1, Subclause 9.3.3 ShockIEC 61169-1, Subclause 9.3.14 Moisture resistanceIEC 61169-1, Subclause 9.4.3 RoHScompliant							
Tooling N/A							
Suitable cables N/A							
Weight 57.0 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	F. Reiner	20.06.18	c01	18-1026	M.Ruf	20.06.18
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-S00S3](#)