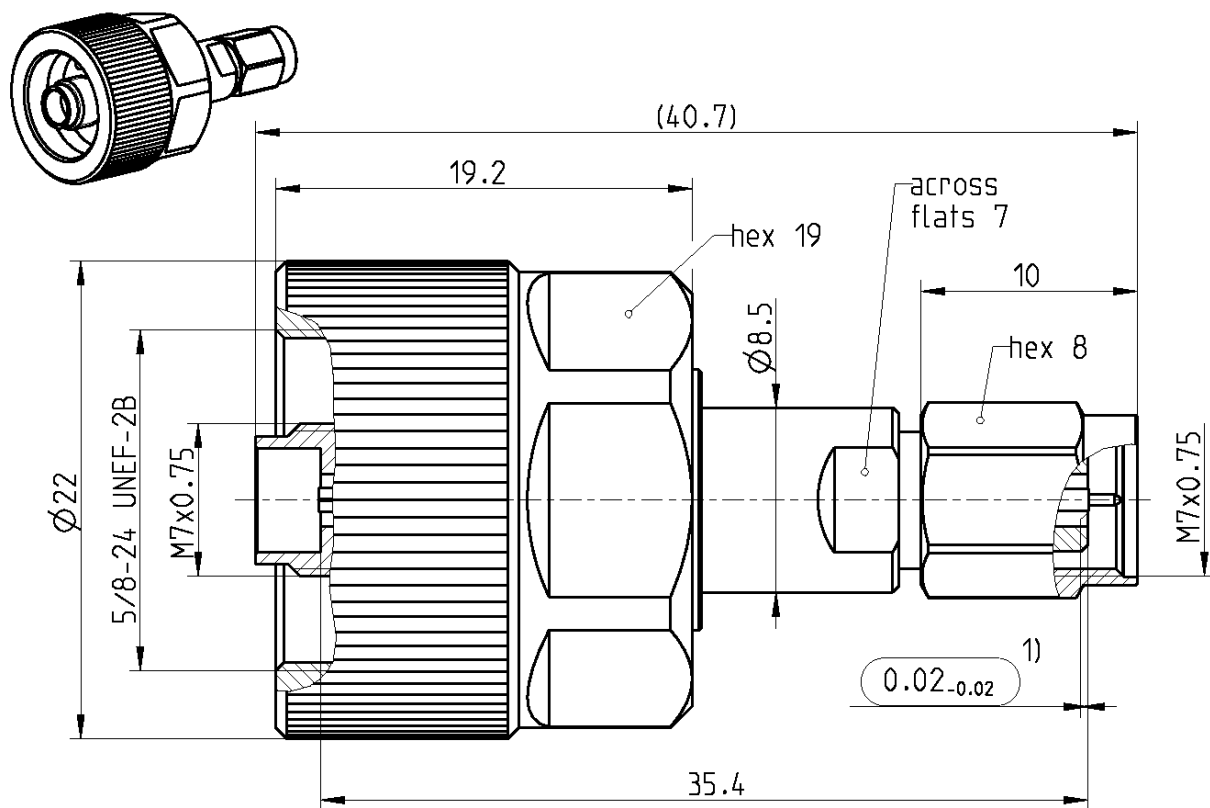




1) restricted connection dimension

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

Interface

According to
Mechanically compatible with

IEC 61169-40
RPC-1.85

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Coupling nut

Material

CuBe
Stainless steel
PEEK
Stainless steel

Plating

Gold, min. 1.27 µm, over chemical nickel
Passivated
Passivated

Technical Data Sheet				Rosenberger			
RPC-2.40		Adaptor jack - plug		09KR121-S0AS3			
Electrical data Impedance50 Ω FrequencyDC to 50 GHz Return loss≥ 26 dB, DC to 26.5 GHz ≥ 23 dB, 26.5 GHz to 50 GHz Insertion loss≤ 0.05 x √f(GHz) dB Insulation resistance≥ 5 GΩ Test voltage (at sea level)500 V rms Working voltage (at sea level)150 V rms RF-leakage≥ 100 dB up to 1 GHz							
Mechanical data Mating cycles≥ 500 Center contact captivation≥ 20 N Coupling test torque1.65 Nm Recommended torque0.80 Nm to 1.10 Nm Recommended torque ruggedized nut1.36 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 46.0 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	
M. Singer		01.02.12		F. Reiner		10.07.18	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Rev. b01		Engineering change number 18-1026	
				Name M. Ruf		Date 06.07.18	
				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:](#)

[09KR121-S0AS3](#)