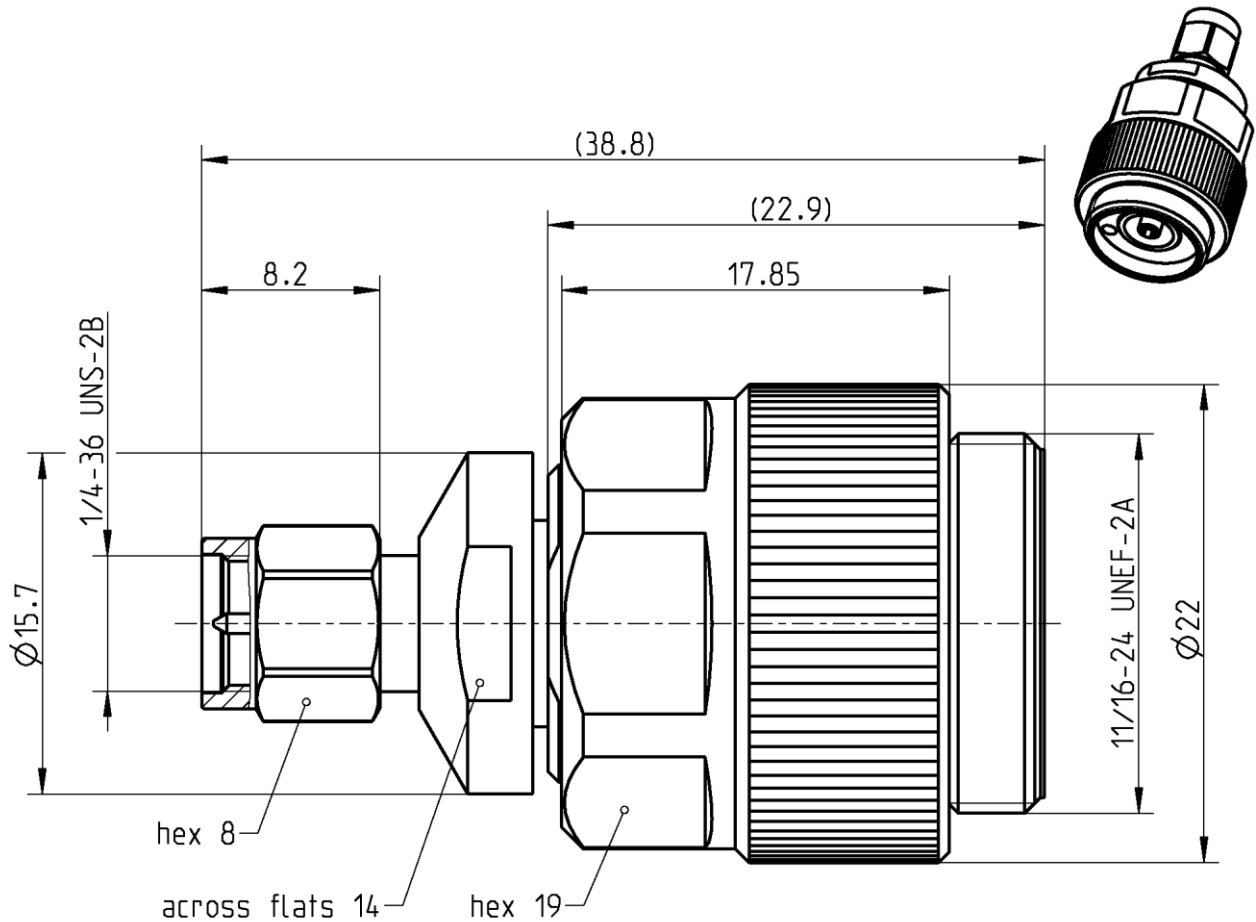




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

RPC-3.50 according to
RPC-3.50 mechanically compatible with
RPC-7 according to

IEC 60169-23
RPC-2.92 and SMA
IEC 457-2

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact RPC-3.50
Outer contact RPC-7
Coupling nut
Dielectric
Gasket

Material

CuBe
Stainless steel
CuBe
Stainless steel
PPE
Silicone

Plating

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

Technical Data Sheet				Rosenberger			
Adaptor RPC-3.50 plug – RPC-7				03S107-P00S3			
Electrical data Impedance50 Ω FrequencyDC to 18 GHz Return loss≥ 28 dB, DC to 18 GHz Insertion loss≤ 0.04 x √f(GHz) dB Insulation resistance≥ 5 GΩ Test voltage (at sea level)1000 V rms Working voltage (at sea level)335 V rms RF-leakage≥ 100 dB up to 1 GHz							
Mechanical data Mating cycles RPC-3.50≥ 500 Mating cycles RPC-7≥ 5000 Center contact captivation≥ 28 N Coupling test torque RPC-3.501.70 Nm Recommended torque RPC-3.500.80 Nm to 1.10 Nm Coupling test torque RPC-71.95 Nm Recommended torque RPC-71.36 Nm							
Environmental data Temperature range-40°C to +85°C Thermal shockMIL-STD-202, Method 107, Condition B CorrosionMIL-STD-202, Method 101, Condition B VibrationMIL-STD-202, Method 204, Condition D ShockMIL-STD-202, Method 213, Condition I Moisture resistanceMIL-STD-202, Method 106 RoHScompliant							
Tooling N/A							
Suitable cables N/A							
Weight 44.3 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
H. Babinger	18.05.04	F. Reiner	02.07.18	b01	18-1026	M. Ruf	29.06.18
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

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