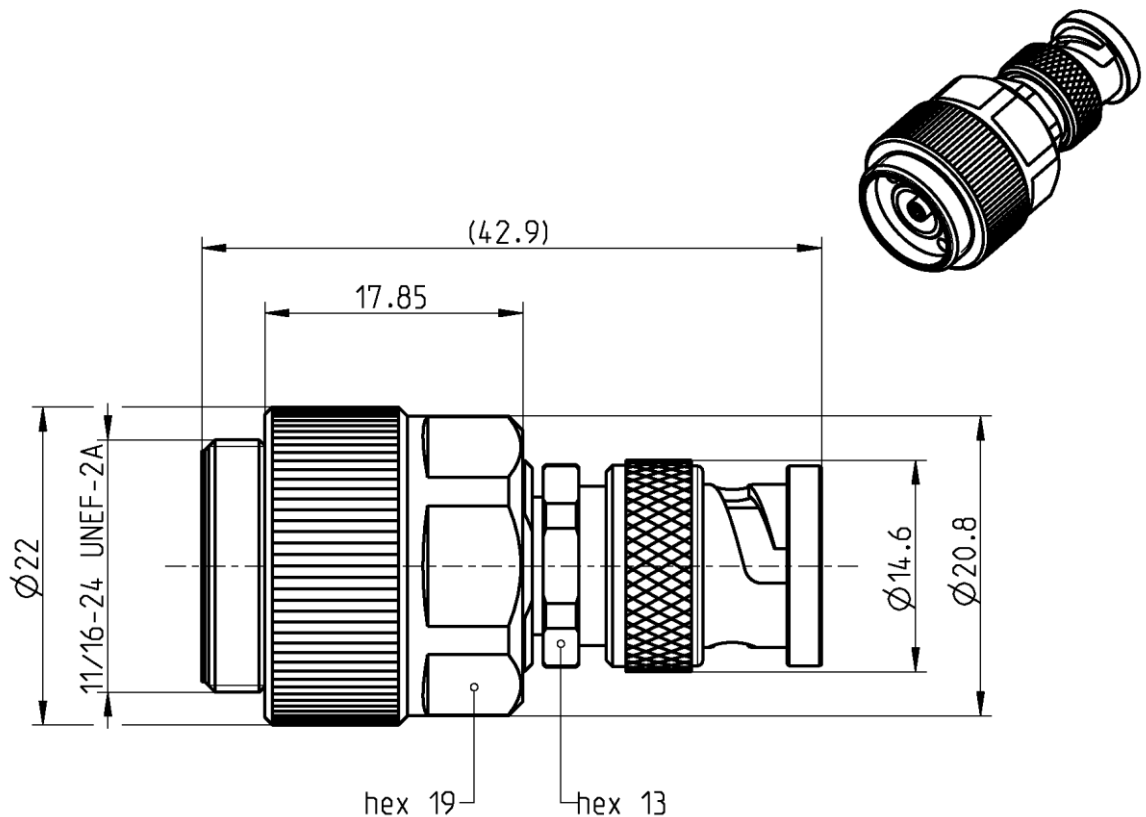




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

RPC-7 according to
BNC according to

IEC 457-2
IEC 61169-8

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact RPC-7
Outer contact BNC
Coupling nut RPC-7
Bajonet ring BNC
Dielectric 1
Dielectric 2

Material

CuBe
CuBe
Stainless steel
Stainless steel
Brass
PPE
PTFE

Plating

Gold, min. 1.27 μm , over chemical nickel
Gold, min. 1.27 μm , over chemical nickel
Passivated
Passivated
Nickel, 2.5-5 μm

Technical Data Sheet

Rosenberger

Adaptor
RPC-7 – BNC plug

07P151-S00S3

Electrical data

Impedance	50 Ω
Frequency	DC to 4 GHz
Return loss	≥ 22 dB, DC to 4 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 5 G Ω
Test voltage (at sea level)	1500 V rms
Working voltage (at sea level)	400 V rms

Mechanical data

Mating cycles RPC-7	≥ 5000
Mating cycles BNC	≥ 500
Center contact captivation	≥ 28 N
Coupling test torque RPC-7	1.95 Nm
Recommended torque RPC-7	1.36 Nm

Environmental data

Temperature range	-40°C to +85°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

51.3 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	06.08.04	F. Reiner	10.07.18	b01	18-1026	M. Ruf	06.07.18

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