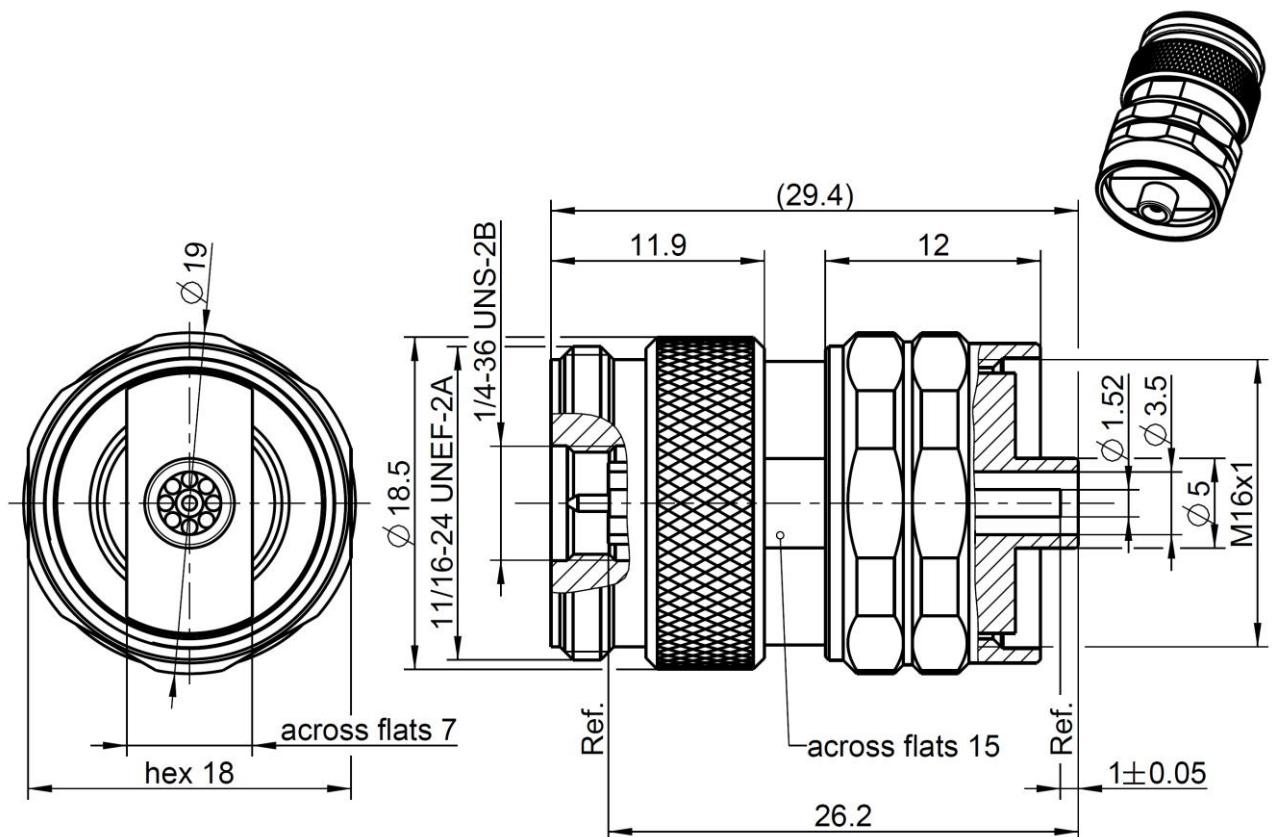




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

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

IEC 60169-23
RPC-2.92 and SMA
Interchangeable port connector system

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact RPC-3.50
Outer contact RPC-SL
Coupling nut
Dielectric

Material

CuBe
Stainless steel
Stainless steel
Stainless steel
PS

Plating

Gold, min. 1.27 μm , over chemical nickel
Passivated
Gold, 0.1 μm min.
Passivated

Technical Data Sheet				Rosenberger			
Adaptor RPC-3.50 Plug – RPC-SL Plug				03S104-S0AS3			
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 26.5 GHz ≥ 21 dB, DC to 26.5 GHz ≤ 0.04 x √f(GHz) dB ≥ 5 GΩ ≤ 3.0 mΩ ≤ 2.0 mΩ 1000 V rms 335 V rms ≥ 100 dB up to 1 GHz							
Mechanical data Mating cycles RPC-3.50 Mating cycles RPC-SL Center contact captivation Coupling test torque RPC-3.50 Recommended torque RPC-3.50 Recommended torque RPC-SL ≥ 500 ≥ 3000 ≥ 27 N 1.70 Nm 0.80 Nm to 1.10 Nm 2 Nm							
Environmental data Temperature range Thermal shock Corrosion Vibration Shock Moisture resistance RoHS -40°C to +85°C MIL-STD-202, Method 107, Condition B MIL-STD-202, Method 101, Condition B MIL-STD-202, Method 204, Condition D MIL-STD-202, Method 213, Condition I MIL-STD-202, Method 106 compliant							
Tooling N/A							
Suitable cables N/A							
Packing Standard Weight 1 pce in box 39.3 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
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