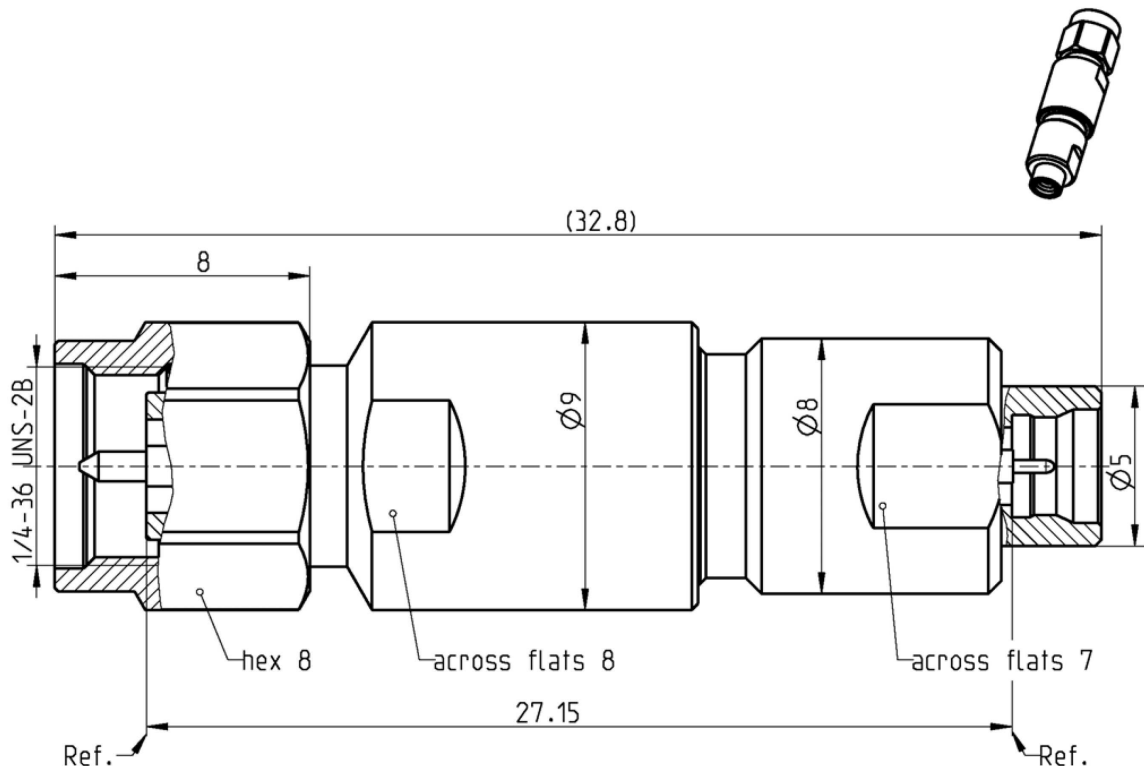




All dimensions are in mm; tolerances acc. to ISO 2768 m-H

Interface

RPC-2.92 according to
RPC-2.92 mechanically compatible with
SMP according to

IEC 61169-35
RPC-3.50 and SMA
MIL-STD-348A, Fig. 326

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact RPC-2.92
Outer contact SMP
Coupling nut
Dielectric
Gasket

Material

CuBe
Stainless steel
CuBe
Stainless steel
PEEK
Silicone

Plating

Gold, min. 1.27 µm, over chemical nickel
Passivated
AuroDur®, gold plated
Passivated

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RF_35/06.13/6.1

Technical Data Sheet				Rosenberger			
Adaptor RPC-2.92 Plug – SMP Plug limited detent				02S119-S00E3			
Electrical data							
Frequency range				DC to 40 GHz			
Return loss				≥ 32 dB, DC to 12 GHz			
				≥ 26 dB, 12 GHz to 26.5 GHz			
				≥ 21 dB, 26.5 GHz to 40 GHz			
Mechanical data							
Mating cycles RPC-2.92				≥ 500			
Mating cycles SMP (limited detent)				≥ 500			
Center contact captivation RPC-2.92				≥ 20 N			
Center contact captivation SMP				≥ 7 N			
Engagement force SMP (limited detent)				≤ 45 N			
Disengagement force SMP (limited detent)				≥ 9 N			
Recommended torque RPC-2.92				0.80 Nm to 1.10 Nm			
Gauge RPC-2.92				0.00 mm to 0.08 mm			
Gauge SMP				0.00 mm to 0.05 mm			
Environmental data							
Operating temperature range ¹				+20 °C to +26 °C			
Storage temperature range				0 °C to +50 °C			
RoHS				compliant			
¹ Temperature range over which these specifications are valid.							
Packing							
Standard				1 pce in box			
Weight				10.9 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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