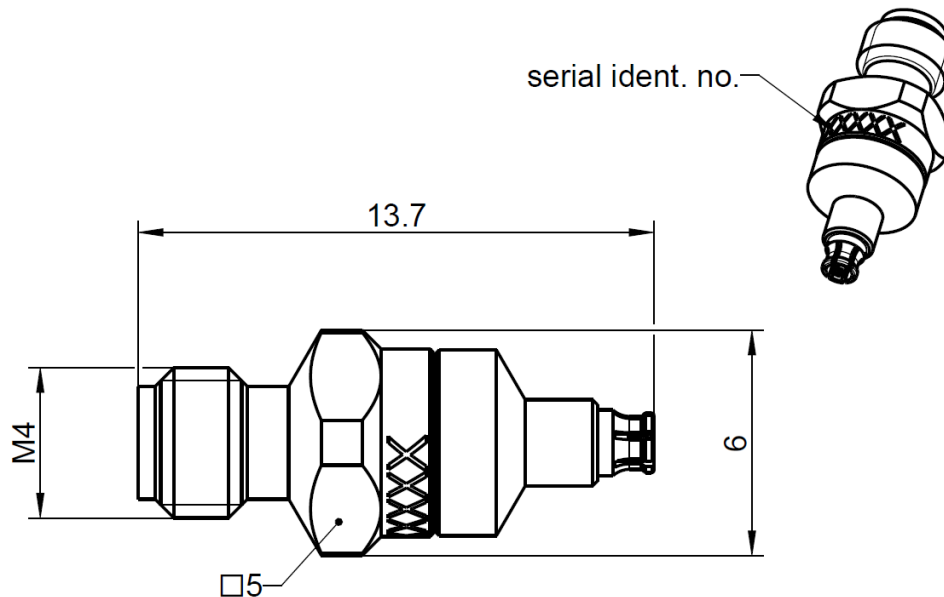




All dimensions are in mm

Interface

RPC-1.00 according to
WSMP according to

IEC 61169-31
IEC 61169-69

Documents

N/A

Material and plating

Connector parts

Center conductor
Outer conductor
Dielectric

Material

CuBe
CuBe or equiv.
PEEK

Plating

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

Technical Data Sheet				Rosenberger			
WSMP		Adaptor RPC-1.00 Jack to WSMP Jack		W1K101-K00D3			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 110 GHz					
Return loss		≥ 27 dB, DC to 18 GHz					
		≥ 20 dB, 18 GHz to 65 GHz					
		≥ 12 dB, 65 GHz to 110 GHz					
Mechanical data							
RPC-1.00							
Mating cycles		≥ 500					
Maximum torque		0.70 Nm					
Recommended torque		0.41 Nm					
WSMP							
Mating cycles		≥ 100					
- Full Detent mating jack							
Engagement force (typical)		2.5 lbf [11 N]					
- Full detent							
Disengagement force (typical)		4.5 lbf [20 N]					
- Full detent							
Environmental data							
Operating temperature range ¹		+20 °C to +26 °C					
Rated temperature range of use ²		0 °C to +50 °C					
Storage temperature range		-40 °C to +85 °C					
RoHS		compliant					
¹ Temperature range over which these specification are valid.							
² This range is underneath and above the operating temperature range, within the adaptor is fully functional and could be used without damage.							
Weight							
		1.9 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. For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.							
Draft Date Approved Date				Rev. Engineering change number Name Date			
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