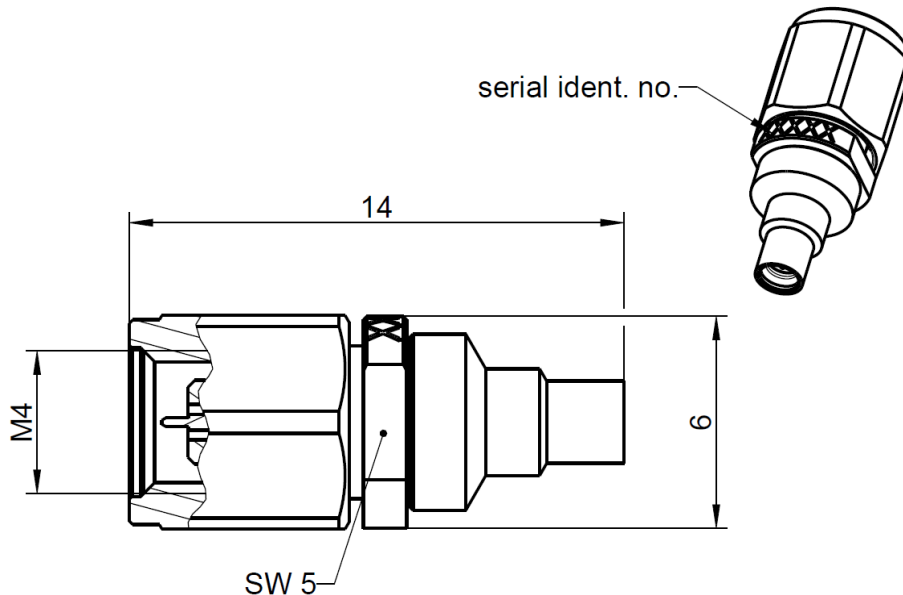




All dimensions are in mm

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 Plug to WSMP Plug	W1S101-S00D3					
Electrical data Impedance50 Ω FrequencyDC 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 torque0.70 Nm Recommended torque0.41 Nm WSMP Mating cycles - Full Detent mating jack≥ 100 Engagement force (typical) - Full detent2.5 lbf [11 N] Disengagement force (typical) - Full detent4.5 lbf [20 N]							
Environmental data Operating temperature range¹+20 °C to +26 °C Rated temperature range of use²0 °C to +50 °C Storage temperature range-40 °C to +85 °C RoHScompliant							
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
M. Panicke	07.03.17	L. Ramtke	14.01.25	c00	24-1549	M. Striegler	14.01.25
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