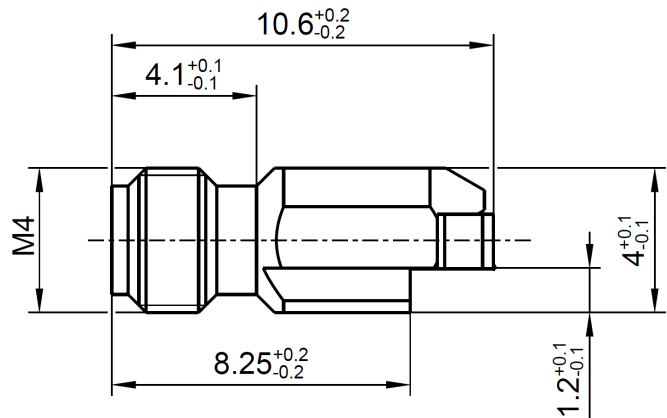
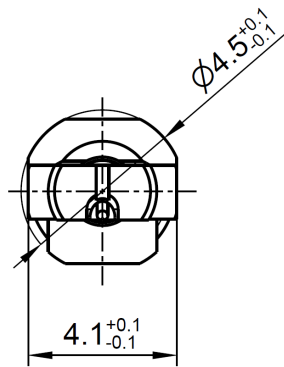
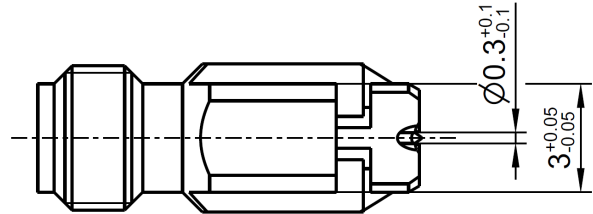


RPC-1.00

Right Angle Jack
PCB

01K241-40ML5



All dimensions are in mm

Interface

According to

IEC 61169-31

Documents

PCB layout

LR_21-0075

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

CuBe
CuBe or equiv.
PEEK

Plating

AuroDur®, gold plated
AuroDur®, gold plated

Technical Data Sheet				Rosenberger			
RPC-1.00		Right Angle Jack PCB		01K241-40ML5			
Electrical data Impedance50 Ω FrequencyDC to 110 GHz Return loss≥ 19 dB, DC to 26.5 GHz ≥ 17 dB, 26.5 to 40 GHz ≥ 14 dB, 40 to 70 GHz ≥ 12 dB, 70 to 90 GHz ≥ 10 dB, 90 to 110 GHz Insertion loss≤ 0.05 x √f(GHz) dB Insulation resistance≥ 5 x10³ MΩ Test voltage (at sea level)500 V rms Working voltage (at sea level)150 V rms RF-leakage≥ 90 dB up to 1 GHz - Return loss in application depends decisive on PCB layout -							
Mechanical data Mating cycles≥ 500 Center contact captivation≥ 10 N Coupling test torque0.70 Nm Recommended torque ¹)0.30 Nm to 0.41 Nm ¹) It is strongly recommended to hold the connector against the wrench flats on the connector body to avoid damage to the board when applying torque.							
Environmental data Temperature range-40°C to +85°C Thermal shockIEC 61169-1, Subclause 9.4.4 CorrosionIEC 61169-1, Subclause 9.4.6 VibrationIEC 61169-1, Subclause 9.3.3 ShockIEC 61169-1, Subclause 9.3.14 Moisture resistanceIEC 61169-1, Subclause 9.4.3 Max. soldering temperatureIEC 61760-1, +260°C for 10 sec. RoHScompliant							
Tooling N/A							
Weight 0.9 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	
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Rev.		Engineering change number		Name		Date	
a00		24-s237		M. Knoll		23.08.24	
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						Page 2 / 2	