



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

**Interface**

RPC-1.00 side according to IEC 61169-31  
RPC-1.35 side according to IEC 61169-65

**Documents**

N/A

**Material and plating**

**Connector parts**

Center conductor  
Outer conductor  
Coupling nut  
Dielectric

**Material**

CuBe  
CuBe or equiv.  
Stainless steel  
PEEK

**Plating**

Gold, min. 1.27µm  
Gold, min. 1.27µm  
Passivated

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Adaptor  
RPC-1.35 Plug – RPC-1.00 Plug

**P9S101-S00D3**

**Electrical data**

Frequency DC to 90 GHz  
Return loss ≥ 28 dB, DC to 20 GHz  
≥ 20 dB, 20 GHz to 40 GHz  
≥ 17 dB, 40 GHz to 90 GHz

**Mechanical data**

	RPC-1.00	RPC-1.35
Mating cycles	≥ 500	≥ 3000
Maximum torque	0.70 Nm	1.65 Nm
Recommended torque	0.35 Nm	0.90 Nm
Gauge	0.000 mm to 0.030 mm	0.003 mm to 0.020 mm

**Environmental data**

Temperature range - 40 °C to +85 °C  
RoHS compliant

**Packing**

Standard 1 pce in box  
Weight 3.2 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
Marcel Panicke	22.08.17	Markus Müller	17.12.19	e00	19-2422	Marion Striegler	17.12.19

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