



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

**Interface**

RPC-1.35 side according to	IEC 61169-65
RPC-1.85 side	
According to	IEC 61169-32
Mechanically compatible with	RPC-2.40

**Documents**

N/A

**Material and plating**

**Connector parts**

	<b>Material</b>	<b>Plating</b>
Center conductor	CuBe	Gold, min. 1.27 $\mu$ m
Outer conductor	CuBe or equiv.	Gold, min. 1.27 $\mu$ m
Dielectric	PS	

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Adaptor  
RPC-1.35 Plug – RPC-1.85 Plug

**P9S108-S00D3**

**Electrical data**

Frequency DC to 70 GHz  
Return loss ≥ 28 dB, DC to 20 GHz  
≥ 20 dB, 20 GHz to 50 GHz  
≥ 17 dB, 50 GHz to 70 GHz

**Mechanical data**

	RPC-1.35	RPC-1.85
Mating cycles	≥ 3000	≥ 500
Maximum torque	1.65 Nm	1.65 Nm
Recommended torque	0.90 Nm	0.90 Nm
Gauge	0.003 mm to 0.020 mm	0.000 mm to 0.050 mm

**Environmental data**

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

**Packing**

Standard 1 pce in box  
Weight 5.8 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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