



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

Interface

RPC-1.00 side according to	IEC 61169-31
RPC-1.85 side	
According to	IEC 61169-32
Mechanically compatible with	RPC-2.40

Documents

N/A

Material and plating

Connector parts	Material	Plating
Center conductor	CuBe	Gold, min. 1.27 µm, over nickel
Outer conductor	CuBe or equiv.	Gold, min. 1.27 µm, over nickel
Dielectric	PEEK	

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RF_35/09;14/6.2

Adaptor
RPC-1.00 Jack – RPC-1.85 Jack

01K108-K00D3

Electrical data

Frequency DC to 70 GHz
Return loss ≥ 19 dB, DC to 20 GHz
≥ 17 dB, 20 GHz to 50 GHz
≥ 14 dB, 50 GHz to 70 GHz

Mechanical data

	RPC-1.00	RPC-1.85
Mating cycles	≥ 500	≥ 500
Maximum torque	0.70 Nm	1.65 Nm
Recommended torque	0.35 Nm	0.90 Nm
Gauge	0.00 mm to 0.03 mm	0.00 mm to 0.05 mm

Environmental data

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

Packing

Standard 1 pce in box
Weight 3.1 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
Herbert Babinger	08.04.05	Markus Müller	24.08.16	e00	16-1394	Marion Striegler	24.08.16

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