



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  
Stainless steel  
Stainless steel  
PEEK

**Plating**

Gold, min. 1.27µm  
Passivated  
Passivated

Adaptor  
RPC-1.00 Jack – RPC-1.35 Jack

**01KR1P9-K0AS3**

**Electrical data**

Frequency range DC to 90 GHz

Return loss  $\geq 28$  dB, DC to 20 GHz  
 $\geq 19$  dB, 20 GHz to 40 GHz  
 $\geq 17$  dB, 40 GHz to 90 GHz

**Mechanical data**

	RPC-1.00	RPC-1.35
Mating cycles	$\geq 500$	$\geq 3000$
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 17 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	13.02.19	Lars Ramtke	02.03.20	b00	20-0243	Marion Striegler	02.03.20

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