



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

Interface

RPC-1.00 according to	IEC 61169-31
Waveguide	WR-10
Flange	UG-387/U-M

Material and plating

Connector parts

Center conductor
Outer conductor RPC-1.00
Waveguide

Material

CuBe
Stainless steel
Brass

Plating

Gold, min. 1.27 µm, over nickel
Passivated
Gold, min. 1.27 µm, over nickel

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RF_35/09;14/6.2

Technical Data Sheet

Rosenberger

Adaptor
RPC-1.00 Jack – Waveguide WR-10

01K900-387

Electrical data

Impedance	50 Ω
Frequency	75 GHz to 110 GHz
Return loss	≥ 16 dB, 75 GHz to 110 GHz
Insertion loss	≤ 0.7 dB, 75 GHz to 110 GHz

Mechanical data

Mating cycles RPC-1.00	≥ 500
Maximum torque RPC-1.00	0.70 Nm
Recommended torque RPC-1.00	0.35 Nm
Recommended torque WR10	1.10 Nm
Gauge RPC-1.00	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	19 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	27.10.17	Markus Müller	14.03.19	a00	19-s088	Marion Striegler	14.03.19

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