



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

**Interface**

RPC-1.00 according to	IEC 61169-31
Waveguide	WR-12
Flange	UG-387/U

**Material and plating**

**Connector parts**

Center conductor  
Outer conductor RPC-1.00  
Coupling nut  
Waveguide

**Material**

CuBe  
Stainless steel  
Stainless steel  
Brass

**Plating**

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

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RF\_35/09;14/6.2

Adaptor  
RPC-1.00 Plug – Waveguide WR-12

**01S740-387**

**Electrical data**

Impedance 50 Ω  
 Frequency 60 GHz to 90 GHz  
 Return loss ≥ 16 dB, 60 GHz to 90 GHz  
 Insertion loss ≤ 0.7 dB, 60 GHz to 90 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 WR12 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	13.03.19	a00	19-s088	Marion Striegler	13.03.19

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de		Page 2 / 2
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