



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

**Interface**

RPC-1.00 according to  
Waveguide  
Flange

IEC 61169-31  
WR-12  
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

**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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Marcel Panicke	27.10.17	Lars Ramtke	23.06.21	b00	21-1076	Marion Striegler	23.06.21