



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

Interface

RPC-1.35 according to	IEC 61169-65
Waveguide	WR-10
Flange	UG-387/U

Material and plating

Connector parts

Center conductor	Material CuBe	Plating Gold, min. 1.27 µm, over nickel
Outer conductor RPC-1.35	Stainless steel	Passivated
Coupling nut	Stainless steel	Passivated
Waveguide	Brass	Gold, min. 1.27 µm, over nickel

Electrical data

Impedance	50 Ω
Frequency	75 GHz to 90 GHz
Return loss	≥ 16 dB, 75 GHz to 90 GHz
Insertion loss	≤ 0.7 dB, 75 GHz to 90 GHz

Mechanical data

Mating cycles RPC-1.35	≥ 3000
Maximum torque RPC-1.35	1.65 Nm
Recommended torque RPC-1.35	0.90 Nm
Recommended torque WR12	1.10 Nm
Gauge RPC-1.35	0.003 mm to 0.050 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	09.01.20	Lars Ramtke	15.06.21	b00	21-1076	Marion Striegler	14.06.21

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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