



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

Interface

RPC-1.35 according to	IEC 61169-65
Waveguide	WR-12
Flange	UG-387/U

Material and plating

Connector parts

Center conductor
Outer conductor RPC-1.35
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

Technical Data Sheet

Rosenberger

Adaptor
RPC-1.35 Plug – Waveguide WR-12

P9S740-387

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-1.35	≥ 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Marcel Panicke	27.10.17	Lars Ramtke	06.12.19	b00	19-2148	Marion Striegler	06.12.19

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