



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

Interface

| | |
|-----------------------|--------------|
| RPC-1.35 according to | IEC 61169-65 |
| Waveguide | WR-15 |
| Flange | UG-385/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 RPC-1.35 | Stainless steel | Passivated |
| Waveguide | Brass | Gold, min. 1.27 µm, over nickel |

Adaptor
RPC-1.35 Plug – Waveguide WR-15

P9S620-385

Electrical data

Impedance 50 Ω
 Frequency 50 GHz to 75 GHz
 Return loss ≥ 16 dB, 50 GHz to 75 GHz
 Insertion loss ≤ 0.7 dB, 50 GHz to 75 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 WR15 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 | 10.01.19 | Lars Ramtke | 25.06.21 | c00 | 21-1076 | Marion Striegler | 25.06.21 |

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|--|---|---------------|
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