



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

Interface

RPC-1.00 side according to IEC 61169-31
RPC-1.35 side according to IEC 61169-65

Documents

N/A

Material and plating

Connector parts

Center conductor
Outer conductor
Coupling nut
Dielectric

Material

CuBe
Stainless steel
Stainless steel
PEEK

Plating

Gold, min. 1.27µm
Passivated
Passivated

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RF_35/09_14/6.2

Adaptor
RPC-1.00 Jack – RPC-1.35 Jack

01KR1P9-K0AS3

Electrical data

Frequency range DC to 90 GHz

Return loss ≥ 28 dB, DC to 20 GHz
 ≥ 19 dB, 20 GHz to 40 GHz
 ≥ 17 dB, 40 GHz to 90 GHz

Mechanical data

| | | |
|--------------------|----------------------|----------------------|
| | RPC-1.00 | RPC-1.35 |
| Mating cycles | ≥ 500 | ≥ 3000 |
| Maximum torque | 0.70 Nm | 1.65 Nm |
| Recommended torque | 0.35 Nm | 0.90 Nm |
| Gauge | 0.000 mm to 0.030 mm | 0.003 mm to 0.020 mm |

Environmental data

Temperature range - 40 °C to +85 °C

RoHS compliant

Packing

Standard 1 pce in box
 Weight 17 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 | 13.02.19 | Lars Ramtke | 02.03.20 | b00 | 20-0243 | Marion Striegler | 02.03.20 |

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