



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

Interface

| | |
|------------------------------|--------------|
| RPC-1.00 side according to | IEC 61169-31 |
| RPC-1.85 side | |
| According to | IEC 61169-32 |
| Mechanically compatible with | RPC-2.40 |

Documents

N/A

Material and plating

Connector parts

Center conductor
Outer conductor
Coupling Nut
Dielectric

Material

CuBe
CuBe or equiv.
Stainless steel
PEEK

Plating

Gold, min. 1.27 µm, over nickel
Gold, min. 1.27 µm, over nickel
Passivated

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RF_35/09;14/6.2

Adaptor
RPC-1.00 Plug – RPC-1.85 Jack

01S108-K00D3

Electrical data

| | |
|-------------|---|
| Frequency | DC to 70 GHz |
| Return loss | ≥ 19 dB, DC to 20 GHz ≥ 17 dB, 20 GHz to 50 GHz ≥ 14 dB, 50 GHz to 70 GHz |

Mechanical data

| | | |
|--------------------|--------------------|--------------------|
| | RPC-1.00 | RPC-1.85 |
| Mating cycles | ≥ 500 | ≥ 500 |
| Maximum torque | 0.70 Nm | 1.65 Nm |
| Recommended torque | 0.35 Nm | 0.90 Nm |
| Gauge | 0.00 mm to 0.03 mm | 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 | 3.6 g/pce |

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|------------------|----------|---------------|----------|------|---------------------------|------------------|----------|
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
| Herbert Babinger | 25.01.05 | Markus Müller | 24.08.16 | e00 | 16-1394 | Marion Striegler | 24.08.16 |

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