



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

Interface

| | |
|---------------------------------------|------------------|
| RPC-2.92 according to | IEC 61169-35 |
| RPC-2.92 mechanically compatible with | RPC-3.50 and SMA |
| RPC-2.40 according to | IEC 61169-40 |
| RPC-2.40 mechanically compatible with | RPC-1.85 |

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

CuBe
Stainless steel
PS

Plating

Gold, min. 1.27 µm, over chemical nickel
Passivated

**ADAPTOR
RPC-2.92 JACK – RPC-2.40 JACK**

02K109-K00S3

Electrical data

| | |
|------------------------------------|---|
| Impedance | 50 Ω |
| Frequency | DC to 40 GHz |
| Return loss | ≥ 28 dB, DC to 12 GHz ≥ 25 dB, 12 GHz to 26.5 GHz ≥ 20 dB, 26.5 GHz to 40 GHz |
| Insertion loss | ≤ 0.05 x √f(GHz) dB |
| Insulation resistance | ≥ 5 GΩ |
| Center contact resistance RPC-2.92 | ≤ 3.0 mΩ |
| Outer contact resistance RPC-2.92 | ≤ 2.0 mΩ |
| Center contact resistance RPC-2.40 | ≤ 4.0 mΩ |
| Outer contact resistance RPC-2.40 | ≤ 2.5 mΩ |
| Test voltage | 500 V rms |
| Working voltage | 150 V rms |
| RF-leakage | ≥ 100 dB up to 1 GHz |

Mechanical data

| | |
|-------------------------------|--------------------|
| Mating cycles | ≥ 500 |
| Center contact captivation | ≥ 20 N |
| Coupling test torque RPC-2.92 | 1.70 Nm |
| Recommended torque RPC-2.92 | 0.80 Nm to 1.10 Nm |
| Coupling test torque RPC-2.40 | 1.65 Nm |
| Recommended torque RPC-2.40 | 0.80 Nm to 1.10 Nm |

Environmental data

| | |
|---------------------|--------------------------------------|
| Temperature range | -40°C to +85°C |
| Thermal shock | MIL-STD-202, Method 107, Condition B |
| Corrosion | MIL-STD-202, Method 101, Condition B |
| Vibration | MIL-STD-202, Method 204, Condition D |
| Shock | MIL-STD-202, Method 213, Condition I |
| Moisture resistance | MIL-STD-202, Method 106 |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

4.6 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 |
|--|----------|--------------|----------|------|--|-------------|---------------|
| Marek Singer | 03.02.12 | Martin Moder | 26.11.15 | e01 | 15-0004 | K. Mitterer | 26.11.15 |
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