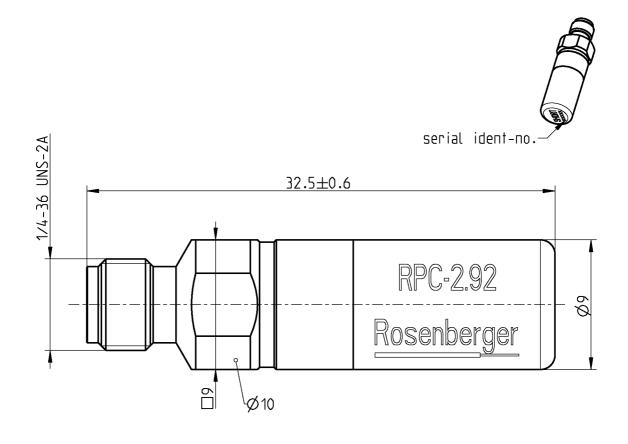
TECHNICAL DATA SHEET

Rosenberger[®]

RPC-2.92 SHORT CIRCUIT JACK

02K12S-000S3



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

Interface

Mechanically compatible with

RPC-3.50 and SMA

Documents

N/A

Material and plating

Connector parts

Center contact Outer contact

Material Plating

Beryllium copper $\;$ Gold, min. 1.27 μm , over chemical nickel Stainless steel $\;$ Passivated

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TECHNICAL DATA SHEET



RPC-2.92 SHORT CIRCUIT JACK

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Electrical data

Frequency DC to 40 GHz

Return loss \leq 0.10 dB, DC to 4 GHz

≤ 0.20 dB, 4 GHz to 40 GHz

 $\begin{array}{ll} \text{Center contact resistance} & \leq 3.0 \text{ m}\Omega \\ \text{Outer contact resistance} & \leq 2.0 \text{ m}\Omega \end{array}$

Deviation from nominal phase * ≤ 1.3°, DC to 4 GHz

≤ 3.5°, 4 GHz to 40 GHz

Mechanical data

Mating cycles ≥ 500 Center contact captivation $\geq 22 \text{ N}$ Coupling test torque1.70 Nm

Recommended torque 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

Tooling

N/A

Suitable cables

www.rosenberger.de

N/A

Packing

Standard 1 pce in box Weight 12.1 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
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^{*} The specifications are given as allowed deviation from the nominal model as defined in the test report