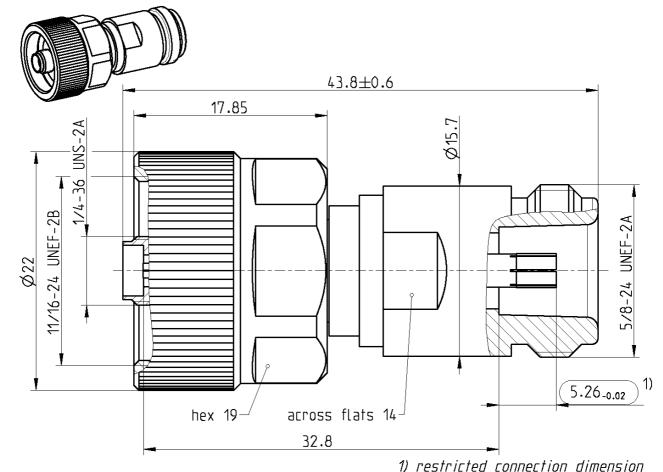
TECHNICAL DATA SHEET

Rosenberger

ADAPTOR RPC-2.92 JACK – RPC-N 50 Ω JACK

02KR105-K0AS3



y restricted connection annex

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

Interface

RPC-2.92 mechanically compatible with RPC-N according to

RPC-3.50 and SMA

IEC 60169-16; CECC 22 210; MIL-STD 348A/304

Documents

N/A

Material and plating

Connector parts
Center contact
Outer contact
Coupling nut
Dielectric

Material

CuBe Stainless steel Stainless steel PPE

Plating

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

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Electrical data

Impedance 50 Ω

Frequency DC to 18 GHz

Return loss \geq 26 dB, DC to 18 GHz

Insertion loss $\leq 0.04 \text{ x} \sqrt{f(GHz)} \text{ dB}$

Insulation resistance $\geq 5 \text{ G}\Omega$

 $\begin{array}{lll} \text{Center contact resistance RPC-2.92} & \leq 3.0 \text{ m}\Omega \\ \text{Outer contact resistance RPC-2.92} & \leq 2.0 \text{ m}\Omega \\ \text{Center contact resistance RPC-N} & \leq 1.0 \text{ m}\Omega \\ \text{Outer contact resistance RPC-N} & \leq 1.0 \text{ m}\Omega \\ \text{Test voltage} & 750 \text{ V rms} \\ \end{array}$

Working voltage 250 V rmsRF-leakage $\geq 90 \text{ dB up to } 1 \text{ GHz}$

Mechanical data

Mating cycles ≥ 500 Center contact captivation $\geq 28 \text{ N}$ Coupling test torque RPC-2.921.70 Nm

Recommended torque RPC-2.92 0.80 Nm to 1.10 Nm

Coupling test torque RPC-N 1.70 Nm

Recommended torque RPC-N 0.70 Nm to 1.10 Nm

Recommended torque ruggedized nut 1.36 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

2002/95/EC (RoHS) compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard 1 pce in box Weight 56.1 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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