



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

Interface

According to IEC 61169-35
Mechanically compatible with RPC-3.50 and SMA

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut
Dielectric
Gasket

Material

CuBe
Stainless steel
Stainless steel
PS
Silicone

Plating

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

RPC-2.92 Adaptor Right Angle Plug – Jack

02S221-K00S3

Electrical data

Impedance 50 Ω
 Frequency DC to 40 GHz
 Return loss ≥ 20 dB, DC to 26.5 GHz
 ≥ 15 dB, 26.5 GHz to 40 GHz
 Insertion loss ≤ 0.10 x √f(GHz)dB
 Insulation resistance ≥ 5 GΩ
 Center contact resistance ≤ 3.0 mΩ
 Outer contact resistance ≤ 2.0 mΩ
 Test voltage 750 V rms
 Working voltage 250 V rms
 RF-leakage ≥ 100 dB up to 1 GHz

Mechanical data

Mating cycles ≥ 500
 Center contact captivation ≥ 20 N
 Coupling test torque 1.70 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
 RoHS compliant

Tooling

N/A

Suitable cables

N/A

Weight

13.3 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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Page
 2 / 2