



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

| | Material | Plating |
|----------------|-----------------|--|
| Center contact | CuBe | Gold, min. 1.27 µm, over chemical nickel |
| Outer contact | Stainless steel | Passivated |
| Coupling nut | Stainless steel | Passivated |
| Dielectric | PS | |
| Gasket | Silicone | |

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 |
| 2002/95/EC (RoHS) | compliant |

Tooling

N/A

Suitable cables

N/A

Packing

| | |
|----------|--------------|
| Standard | 1 pce in box |
| 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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