



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

Assembly instruction 02 A5

Material and plating

Connector parts

- Center contact
- Outer contact
- Coupling nut
- Dielectric
- Gasket

Material

- CuBe
- CuBe or equiv.
- Stainless steel
- PS
- Silicone

Plating

- Gold, min. 0.8 µm, over chemical nickel
- Gold, min. 0.8 µm, over chemical nickel
- Passivated

RPC-2.92

Straight plug

02S141-271E4

Electrical data

Impedance 50 Ω
 Frequency DC to 43.5 GHz
 Return loss ≥ 30 dB, DC to 4 GHz
 ≥ 22 dB, 4 GHz to 32 GHz
 ≥ 20 dB, 32 GHz to 43.5 GHz
 Insertion loss ≤ 0.04 x √f(GHz)dB
 Insulation resistance ≥ 5 GΩ
 Proof voltage (at sea level) 750 V rms
 Working voltage (at sea level) 250 V rms
 RF-leakage ≥ 100 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles ≥ 500
 Coupling test torque 1.70 Nm
 Coupling torque recommended 0.80 Nm to 1.10 Nm

Environmental data

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

Tooling

N/A

Suitable cables

UT 85, RG 405 /U, RTK-FS 085

Weight

2.6 g/pce

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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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