



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

**Interface**

According to IEC 60169-23  
Mechanically compatible with RPC-2.92 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  $\mu\text{m}$ , over chemical nickel  
Passivated  
Passivated

RPC-3.50

Adaptor  
plug - jack

**03S121-K02S3**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 26.5 GHz  
 Return loss ≥ 26 dB, DC to 26.5 GHz  
 Insertion loss ≤ 0.04 x √f(GHz) dB  
 Insulation resistance ≥ 5 GΩ  
 Proof voltage (at sea level) 1000 V rms  
 Working voltage (at sea level) 335 V rms  
 RF-leakage ≥ 100 dB up to 1 GHz

**Mechanical data**

Mating cycles ≥ 500  
 Center contact captivation: axial ≥ 27 N  
 radial ≥ 0.01 Nm  
 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, 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**

N/A

**Weight**

4.2 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
R. Neuhauser	30.09.19	Herbert Babinger	16.12.20	a00	20-s226	A.Youmsi	16.12.20

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