



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

**Interface**

RPC-N according to  
RPC-TNC according to

IEC 60169-16 ; CECC 22 210 ; MIL-STD 348A/402  
IEC 60169-26

**Documents**

N/A

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Coupling nut
- Dielectric 1
- Dielectric 2

**Material**

- Beryllium copper
- Stainless steel
- Stainless steel
- PPE
- PTFE

**Plating**

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

**ADAPTOR  
RPC-N 50 Ω PLUG – RPC-TNC PLUG**

**05S106-S00S3**

**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 20 dB, DC to 18 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance RPC-N	≤ 1.0 mΩ
Outer contact resistance RPC-N	≤ 1.0 mΩ
Center contact resistance RPC-TNC	≤ 1.5 mΩ
Outer contact resistance RPC-TNC	≤ 1.0 mΩ
Test voltage	1500 V rms
Working voltage	500 V rms
RF-leakage	≥ 90 dB up to 1 GHz

**Mechanical data**

Mating cycles	≥ 500
Center contact captivation	≥ 28 N
Coupling test torque RPC-N	1.70 Nm
Recommended torque RPC-N	0.70 Nm to 1.10 Nm
Coupling test torque RPC-TNC	1.70 Nm
Recommended torque RPC-TNC	0.46 Nm to 0.69 Nm

**Environmental data**

Temperature range	-40°C to +85°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

62.3 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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