



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

**Interface**

RPC-7 according to IEC 457-2  
BNC according to IEC 61169-8

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact	CuBe
Outer contact RPC-7	CuBe
Outer contact BNC	Stainless steel
Coupling nut RPC-7	Stainless steel
Bajonet ring BNC	Brass
Dielectric 1	PPE
Dielectric 2	PTFE

**Plating**

Gold, min. 1.27 µm, over chemical nickel  
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Passivated  
Passivated  
Nickel, 2.5-5 µm

Adaptor  
RPC-7 – BNC plug

**07P151-S00S3**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 4 GHz  
 Return loss ≥ 22 dB, DC to 4 GHz  
 Insertion loss ≤ 0.1 x √f(GHz) dB  
 Insulation resistance ≥ 5 GΩ  
 Test voltage (at sea level) 1500 V rms  
 Working voltage (at sea level) 400 V rms

**Mechanical data**

Mating cycles RPC-7 ≥ 5000  
 Mating cycles BNC ≥ 500  
 Center contact captivation ≥ 28 N  
 Coupling test torque RPC-7 1.95 Nm  
 Recommended torque RPC-7 1.36 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**

51.3 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
H. Babinger	06.08.04	F. Reiner	10.07.18	b01	18-1026	M. Ruf	06.07.18