



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

**Interface**

RPC-N according to  
SMA according to  
SMA mechanically compatible with

IEC 60169-16 ; CECC 22 210 ; MIL-STD 348A/402  
IEC 60169-15; EN 122110; MIL-STD 348A/310  
RPC-2.92 and RPC-3.50

**Documents**

Panel piercing

B 12

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric 1  
Dielectric 2

**Material**

Beryllium copper  
Stainless steel  
PPE  
PTFE

**Plating**

Gold, min. 1.27 µm, over chemical nickel  
Passivated

ADAPTOR  
RPC-N 50 Ω JACK – SMA JACK

05K432-K00S3

**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 23 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 SMA	≤ 3.0 mΩ
Outer contact resistance SMA	≤ 2.0 mΩ
Test voltage	1000 V rms
Working voltage	480 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 SMA	1.70 Nm
Recommended torque SMA	0.80 Nm to 1.10 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 2002/95/EC (RoHS)	IEC 61169-1, Subclause 9.4.3 compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	1 pce in box
Weight	42.6 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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