



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**

Panel piercing B 58

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Body  
Dielectric  
Hermetic bead  
Gasket  
Hexagon nut  
Tooth lock washer

**Material**

CuBe  
Stainless steel  
Brass  
PS  
Glass  
Silicone  
CuBe or equiv.  
Tin bronze

**Plating**

AuroDur®, gold plated  
Passivated  
Gold, min. 0.20 µm, over nickel  
Gold, 0.1 µm min.  
Gold, 0.1 µm min.

RPC-2.92 PANEL ADAPTOR  
HERMETIC SEALED

**02K641-KH0S3**

**Electrical data**

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 15.5 dB, DC to 40 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	750 V rms
Working voltage	250 V rms
RF-leakage	≥ 100 dB up to 1 GHz

**Mechanical data**

Mating cycles	≥ 500
Center contact captivation	≥ 20 N
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, 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
Hermeticity	≤ 10 <sup>-6</sup> mbar x l/s
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	1 pce in box
Weight	7.7 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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						Page 2 / 2	