



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
- CuBe or equiv.
- PS
- Glass
- Silicone
- CuBe or equiv.
- Tin bronze

**Plating**

- AuroDur®, gold plated
- Passivated
- Gold, min. 0.15 µm, over chemical nickel
- Gold, 0.1 µm min.
- Gold, 0.1 µm min.

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RF\_35/09;14/6.2

# Technical Data Sheet

# Rosenberger

RPC-2.92

Panel Adaptor  
Hermetic Sealed

02K641-KH0S3

## Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 14 dB, DC to 40 GHz
Insertion loss	≤ 0.04 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Proof voltage (at sea level)	750 V rms
Working voltage (at sea level)	250 V rms
RF-leakage	≥ 100 dB up to 1 GHz

## Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 20 N
Coupling torque recommended	0.80 Nm to 1.10 Nm
Recommended torque for hexagon nut	2.5 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
Hermeticity	≤ 10 <sup>-6</sup> mbar x l/s
RoHS	compliant

## Tooling

N/A

## Suitable cables

N/A

## 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
Herbert Babinger	07.02.14	M. Moder	10.02.20	g00	20-0004	A. Youmsi	10.02.20

Rosenberger Hochfrequenztechnik GmbH & Co. KG  
P.O.Box 1260 D-84526 Tittmoning Germany  
[www.rosenberger.de](http://www.rosenberger.de)

Tel. : +49 8684 18-0  
Email : [info@rosenberger.de](mailto:info@rosenberger.de)

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