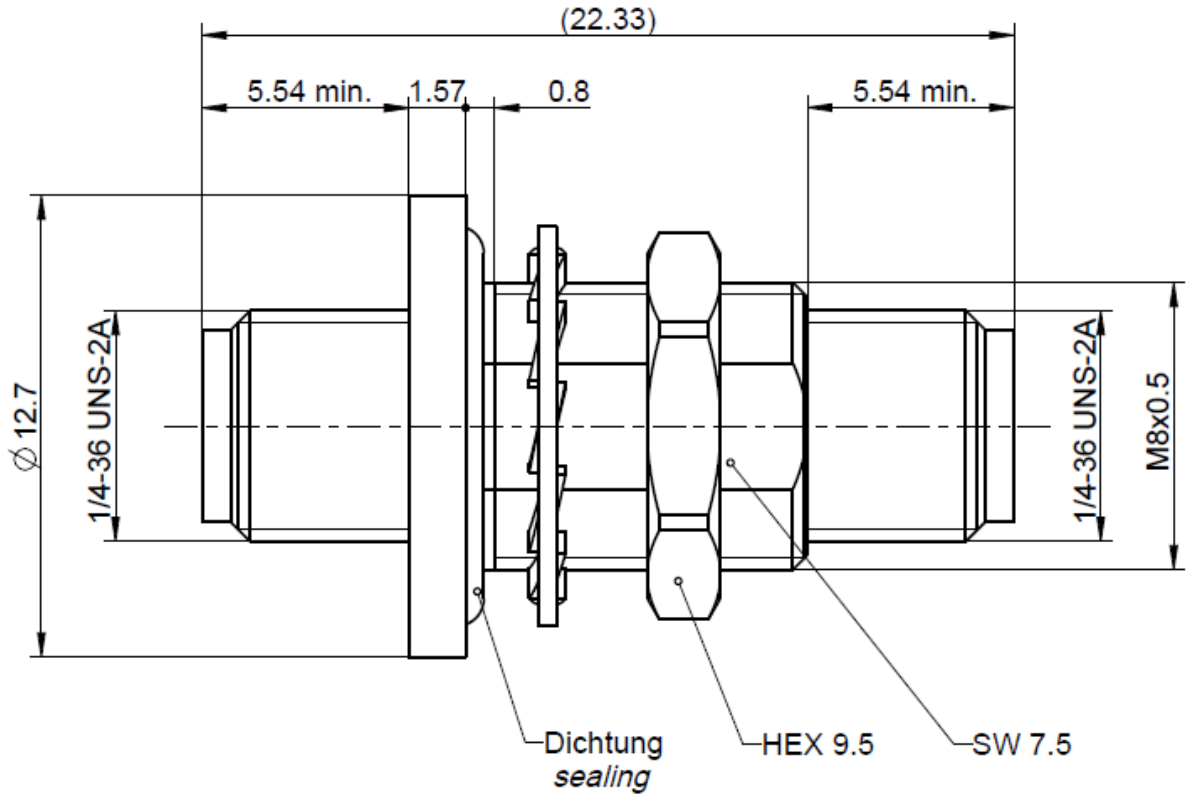
Technical Data Sheet		Rosenberger
RPC-2.92	Panel Adaptor Hermetic Sealed	**02K641-KH0S3**



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	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact	Stainless steel	Passivated
Body	CuBe or equiv.	Gold, min. 0.15 µm, over chemical nickel
Dielectric	PS	
Hermetic bead	Glass	
Gasket	Silicone	
Hexagon nut	CuBe or equiv.	Gold, 0.1 µm min.
Tooth lock washer	Tin bronze	Gold, 0.1 µm min.

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Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 14 dB, DC to 40 GHz
Insertion loss	≤ 0.04 x $\sqrt{f(GHz)}$ 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^{-6} mbar x l/s
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

7.4 g/pce

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