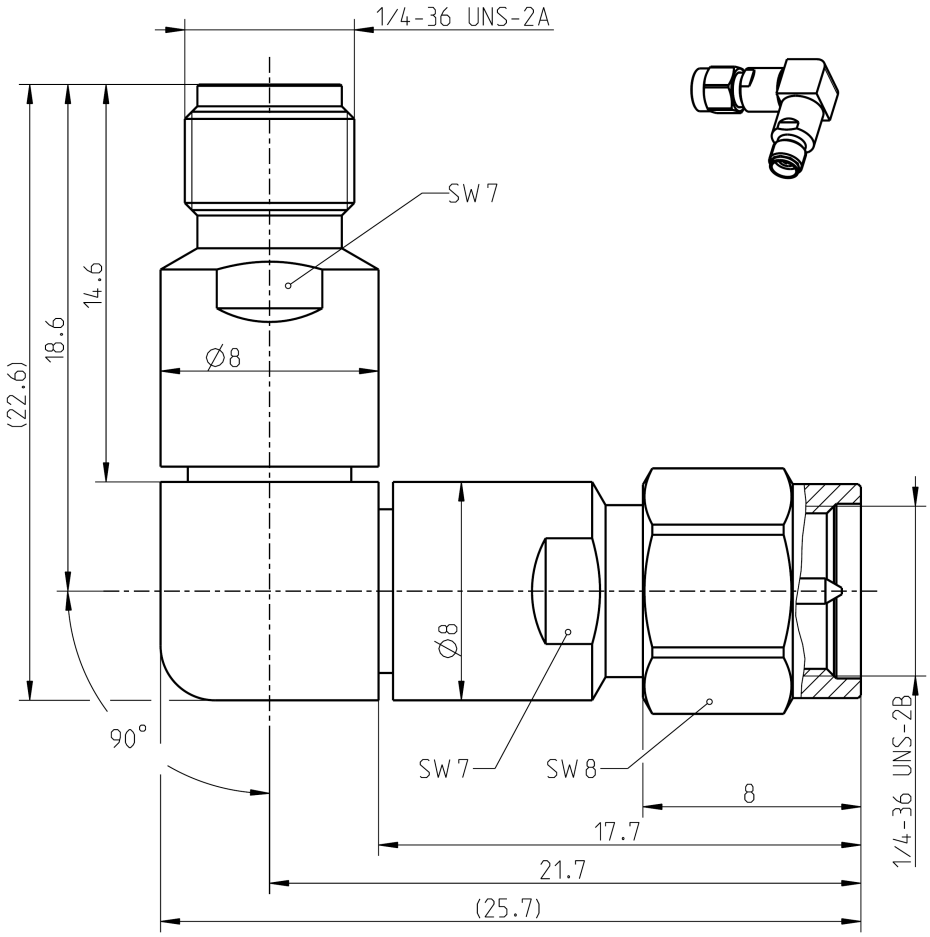
Technical Data Sheet		Rosenberger
RPC-2.92	Adaptor Right Angle Plug – Jack	**02S221-K00S3**



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

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	Gold, min. 1.27 µm, over chemical nickel
Outer contact	Stainless steel	Passivated
Coupling nut	Stainless steel	Passivated
Dielectric	PS	
Gasket	Silicone	

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Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 20 dB, DC to 26.5 GHz ≥ 15 dB, 26.5 GHz to 40 GHz
Insertion loss	$\leq 0.10 \times \sqrt{f(GHz)}$ 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℃ to +85℃
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
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in box
Weight	13.3 g/pce

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Martin Moder	22/02/11	Herbert Babinger	20/02/13	b00	13-0004	Manuela Fuehrich	20/02/13

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