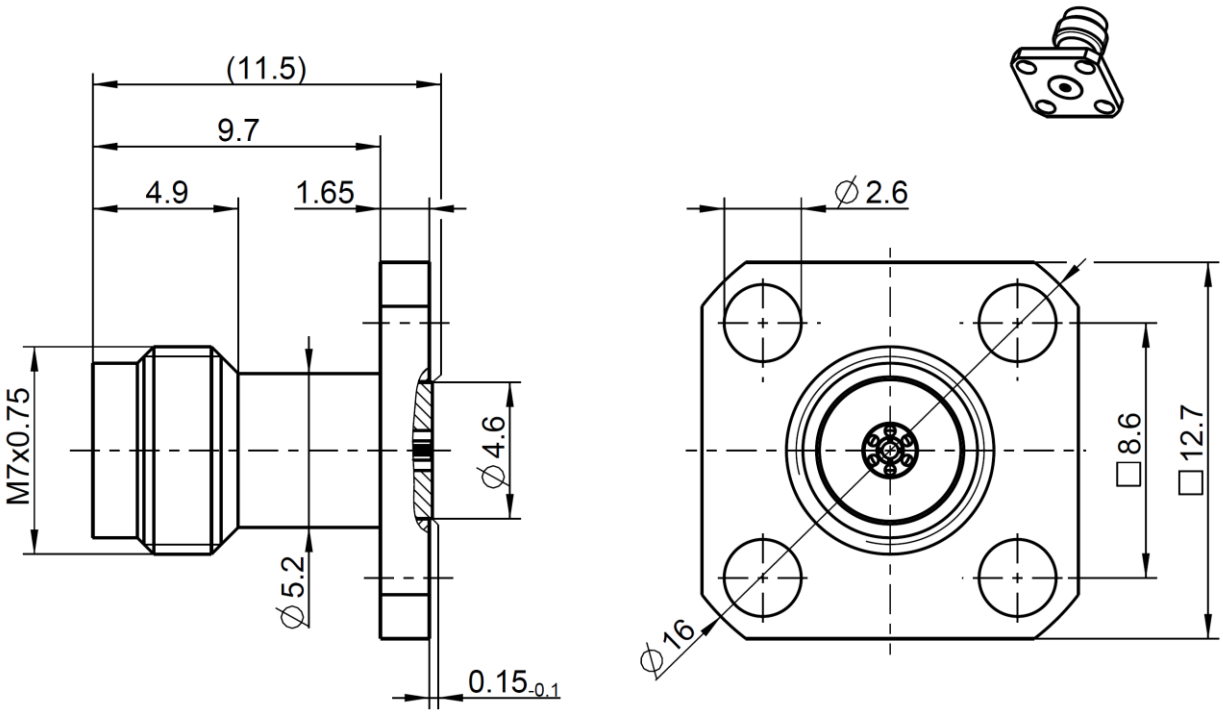
Technical Data Sheet		Rosenberger
RPC-1.85	Launcher jack for glassbead	**08K422-800S5**



for glass-bead of 0.3 mm pin diameter.

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

Interface

According to	IEC 61169-32
Mechanically compatible with	RPC-2.40

Documents

Assembly instruction	02 E1

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact RPC-1.85	Stainless steel	Passivated
Outer contact hermetical side	CuBe	AuroDur®, gold plated
Dielectric	PS	

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Electrical data

Impedance	50 Ω
Frequency	DC to 70 GHz
Return loss [1)]	≥ 25 dB, DC to 26.5 GHz ≥ 19 dB, 26.5 GHz to 50 GHz ≥ 16.5 dB, 50 GHz to 70 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(GHz)}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 4.0 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	500 V rms
Working voltage	150 V rms
RF-leakage	≥ 100 dB up to 1 GHz

1) measured including measuring adaptor 08K421-900S3

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 20 N
Coupling test torque	1.65 Nm
Recommended torque	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	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

Tooling

Soldering fixture	02W001-000
Tool adaptor	02W002-000

Suitable glass bead

Glass bead	02Z101-000

Weight

3.3 g/pce

Draft	Date	Approved	Date
Herbert Babinger	19.02.07	Armin Maiwälder	07.01.20

Rev.	Engineering change number	Name	Date
e00	19-2430	S. Schmid	03.01.20

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