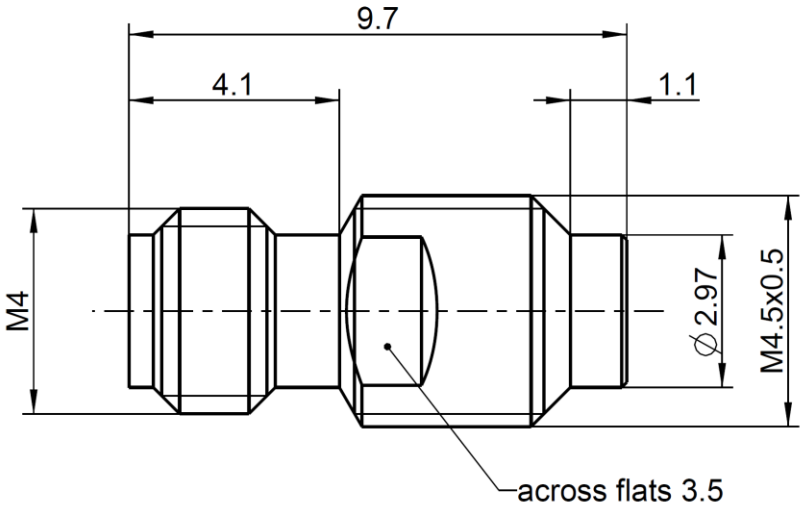
Technical Data Sheet		Rosenberger
RPC-1.00	Launcher Jack for glass bead	**01K521-800D3**





For glass-bead of 0.127mm pin diameter.

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

Interface

According to	IEC 61169-31

Documents

Assembly instruction	01E

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	Gold, min. 1.27 µm, over chemical nickel
Outer contact	CuBe or equiv.	Gold, min. 1.27 µm, over chemical nickel
Dielectric	PEEK	

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Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.com

Tel. : +49 8684 18-0
Email : info@rosenberger.com

Electrical data

Impedance	50 Ω
Frequency	DC to 110 GHz
Return loss [1)]	≥ 19 dB, DC to 26.5 GHz ≥ 17 dB, 26.5 GHz to 40 GHz ≥ 14 dB, 40 GHz to 70 GHz ≥ 12 dB, 70 GHz to 90 GHz ≥ 10 dB, 90 GHz to 110 GHz
Insertion loss	≤ 0.05 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≥ 5 GΩ
Proof voltage (at sea level)	500 V rms
Working voltage (at sea level)	150 V rms
RF-leakage	≥ 90 dB up to 1 GHz

1) Measured including measuring adaptor 01K121-900D3

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 10 N
Coupling test torque	0.70 Nm
Coupling torque recommended	0.30 Nm to 0.41 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	01W002-000
Mounting wrench	01W003-000

Suitable glass bead

01Z103-000

Weight

0.8 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date
F. Reiner	16.04.21	H. Babinger	14.04.22

Rev.	Engineering change number	Name	Date
200	22-v154	T.Boergerding	14.04.22

Rosenberger Hochfrequenztechnik GmbH & Co. KG
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www.rosenberger.com

Tel. : +49 8684 18-0
Email : info@rosenberger.com

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