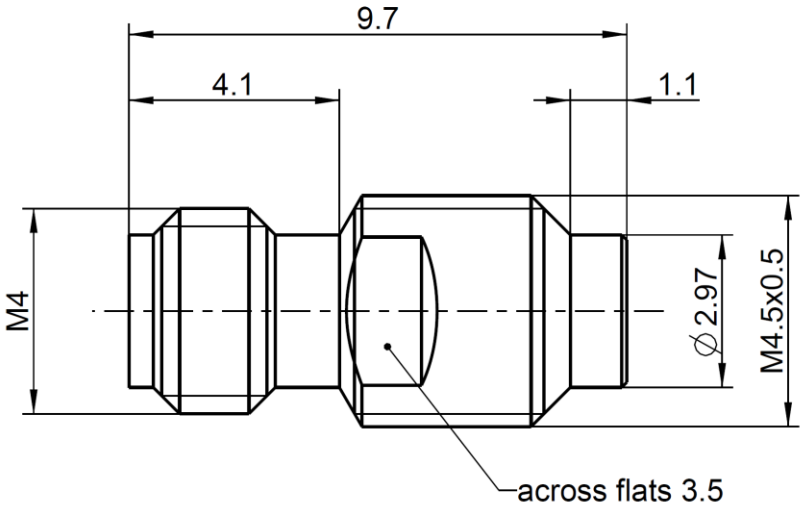
Technical Data Sheet		Rosenberger
RPC-1.00	Launcher Jack for glass bead	**01K521-800D3**



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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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

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

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