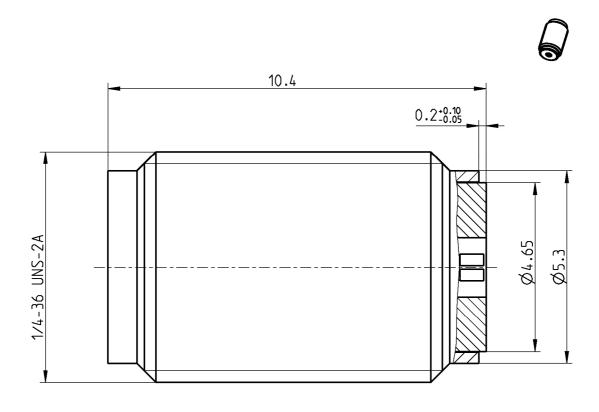
TECHNICAL DATA SHEET

Rosenberger

RPC-2.92

LAUNCHER JACK FOR GLASSBEAD

02K526-800S3



for glass-bead of 0.3 mm pin diameter

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

Interface

According to Mechanically compatible with

IEC 61169-35 RPC-3.50 and SMA

Documents

Test procedure Assembly instruction PV_M_0131 02 E

Material and plating

Connector parts

Center contact Outer contact RPC-2.92 Outer contact hermetical side Dielectric

Material

CuBe Stainless steel Brass PS

Plating

AuroDur®, gold plated Passivated AuroDur®, gold plated

RF_35/06.07/5.0

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TECHNICAL DATA SHEET

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RPC-2.92 LAUNCHER JACK FOR GLASSBEAD

02K526-800S3

Electrical data

Impedance 50 Ω

Frequency DC to 40 GHz

Return loss $^{1)}$ \geq 23 dB, DC to 34 GHz \geq 19 dB, 34 GHz to 40 GHz

Reflection coefficient (TDR) $^{2)}$ Step response max. \pm 15 mU

Insertion loss $\leq 0.04 \text{ x } \sqrt{\text{f(GHz)}} \text{ dB}$

 $\begin{array}{ll} \text{Insulation resistance} & \geq 5 \text{ G}\Omega \\ \text{Center contact resistance} & \leq 3.0 \text{ m}\Omega \\ \text{Outer contact resistance} & \leq 2.0 \text{ m}\Omega \\ \text{Test voltage} & 750 \text{ V rms} \\ \text{Working voltage} & 250 \text{ V rms} \\ \end{array}$

RF-leakage \geq 100 dB up to 1 GHz

1) measured including measuring adaptor 02K122-900S3

2) measured with "time domain low-pass mode" including measuring adaptor 02K122-900S3

Mechanical data

 $\begin{array}{ll} \mbox{Mating cycles} & \geq 500 \\ \mbox{Center contact captivation} & \geq 20 \ \mbox{N} \\ \mbox{Coupling test torque RPC-2.92} & 1.70 \ \mbox{Nm} \\ \end{array}$

Recommended torque RPC-2.92 0.80 Nm to 1.10 Nm Coupling torque hermetical side 1.70 Nm max.

Environmental data

Temperature range -40°C to +85°C

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

Measuring adaptor02K122-900S3Soldering fixture02W001-000Mounting wrench02W007-000

Suitable glass bead

www.rosenberger.de

Glass bead 02Z101-000

Packing

Standard 100 pcs in blister Weight 1.5 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.

Draft	Date	Approved	Date		Rev.	Engineering change number	Name	Date
Herbert Babinger	16/12/08	Armin Maiwälder	19/09/12		c00	12-0821	Maik Knoll	19/09/12
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