



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

Center contact
Outer contact RPC-1.85
Outer contact hermetical side
Dielectric

Material

CuBe
Stainless steel
CuBe
PS

Plating

AuroDur®, gold plated
Passivated
AuroDur®, gold plated

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/05:10/6.0

Technical Data Sheet

Rosenberger

RPC-1.85

Launcher jack
for glassbead

08K422-800S5

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	≤ 0.05 x √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

Measuring adaptor	08K421-900S3
Soldering fixture	02W001-000
Tool adaptor	02W002-000

Suitable glass bead

Glass bead	02Z101-000
------------	------------

Weight

3.3 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	19.02.07	Armin Maiwalder	09.06.16	d00	16-0881	A. Youmsi Mouafo	09.06.16

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

Tel. : +49 8684 18-0
Fax : +49 8684 18-499
Email : info@rosenberger.de

Page
2 / 2