



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

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RF_35/05:10/6.0

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
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Weight

3.3 g/pce

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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

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