



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 |
|------------|------------|

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 |

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