



All dimensions are in mm

Interface

According to
Mechanically compatible with

IEC 61169-32
RPC-2.40

Documents

Assembly instruction

02A14

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut
Dielectric

Material

CuBe
Brass
Stainless steel
PEEK

Plating

AuroDur®, gold plated
AuroDur®, gold plated
Passivated

Electrical data

| | |
|---------------------------|--|
| Impedance | 50 Ω |
| Frequency | DC to 70 GHz |
| Return loss | ≥ 19 dB, DC 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 |

- Limitations are possible due to the used cable type -

Mechanical data

| | |
|-----------------------------------|--------------------|
| Mating cycles | ≥ 500 |
| Center contact captivation: axial | ≥ 20 N |
| Coupling test torque | 1.65 Nm |
| Recommended torque | 0.80 Nm to 1.10 Nm |

Environmental data

| | |
|---------------------|-------------------------------|
| Temperature range | -55°C to +125°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

N/A

Suitable cables

RTK 047 / UT 047

Weight

2.9 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 |
|------------------|----------|--------------|----------|------|---------------------------|----------|----------|
| Roland Neuhauser | 16.09.13 | Martin Moder | 25.03.24 | a00 | 24-s105 | S. Barth | 25.03.24 |

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