



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

Interface

According to CECC 22220, IEC 61169-36

Documents

PCB layout B 30

Material and plating

Connector parts

| | | |
|----------------|-----------------|-------|
| Center contact | Material | CuBe |
| Outer contact | | Brass |
| Dielectric | | PTFE |

Plating

AuroDur®, gold plated
AuroDur®, gold plated

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

RF_35/09.14/6.2

Electrical data

| | |
|---------------------------|----------------------|
| Impedance | 50 Ω |
| Frequency | DC to 6 GHz |
| Return loss | ≥ 21 dB, DC to 6 GHz |
| Insertion loss | ≤ 0.05 x √f(GHz) dB |
| Insulation resistance | ≥ 1 GΩ |
| Center contact resistance | ≤ 5.0 mΩ |
| Outer contact resistance | ≤ 2.5 mΩ |
| Test voltage | 750 V rms |
| Working voltage | 335 V rms |
| Contact Current | 1.5A DC max. |

- VSWR in application depends decisive on PCB layout -

Mechanical data

| | |
|----------------------------|-----------------------|
| Mating cycles | ≥ 500 |
| Center contact captivation | ≥ 10 N |
| Engagement force | ≤ 25 N |
| Disengagement force | 8 N min. to 20 N max. |

Environmental data

| | |
|----------------------------|---------------------------------|
| Temperature range | -55°C to +155°C |
| Thermal shock | CECC 22 220, Chapter 4.6.7 |
| Vibration | CECC 22 220, Chapter 4.6.3 |
| Corrosion | CECC 22 220, Chapter 4.6.10 |
| Moisture resistance | CECC 22 220, Chapter 4.6.6 |
| Max. soldering temperature | IEC 61760-1, +260°C for 10 sec. |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

Weight 0.8 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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

RF_35/09.14/6.2

| | | | | | | | |
|--|----------|-------------|----------|------|--|----------------|---------------|
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
| Inge Mühlauer | 30.08.04 | Chr. Janßen | 03.11.20 | g00 | 20-1927 | S. Huber-Siegl | 03.11.20 |
| Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de | | | | | Tel. : +49 8684 18-0 Email : info@rosenberger.de | | Page 2 / 2 |

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Rosenberger:](#)

[29K102-400L5](#)