



All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to CECC 22 220, IEC 60169-36

Documents

Assembly instruction 29 C

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Crimping sleeve

Material

Brass
Beryllium copper
PTFE
Copper

Plating

Gold, min. 1.27 µm, over chemical nickel
Gold, min. 0.8 µm, over chemical nickel
Gold, min. 0.15 µm, over chemical nickel

Electrical data

| | |
|---------------------------|---|
| Impedance | 50 Ω |
| Frequency | DC to 6 GHz |
| Return loss | ≥ 32 dB, DC to 2 GHz ≥ 26 dB, 2 to 4 GHz |
| Insertion loss | ≤ 0.05 x √f(GHz) dB, DC to 4 GHz |
| 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. |

- Limitations are possible due to the used cable type -

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 |

Tooling

| | |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert | 11W150-102 |

Suitable cables

RG 316 /U-d K02252d

Packing

| | |
|----------|----------------|
| Standard | 100 pcs in bag |
| Weight | 0.9 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 |
|--|----------|-----------------|----------|------|--|-----------|---------------|
| Inge Mühlauer | 07/09/04 | Chr. Entfellner | 23/02/05 | a00 | 04-0130 | Rong Fang | 23/02/05 |
| 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 |