



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

Interface

According to IEC 60169-8, MIL-PRF-39012, CECC 22120

Documents

N/A

Material and plating

Connector parts

- Center contact
- Center contact
- Outer contact
- Body
- Dielectric

Material

- CuBe
- Spring bronze
- Brass
- Brass
- PTFE

Plating

- AuroDur®, gold plated
- AuroDur®, gold plated
- Flash white bronze over silver(e.g. Optargen®)
- Flash white bronze over silver(e.g. Optargen®)

**ADAPTOR
BNC 50 Ω JACK – JACK - JACK**

51K301-K00N5

Electrical data

| | |
|--|-------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 10 GHz |
| Insulation resistance | ≥ 5 x10 ³ MΩ |
| Center contact resistance | ≤ 1.5 mΩ |
| Outer contact resistance | ≤ 1 mΩ |
| Test voltage | 1500 V rms |
| Working voltage | 400 V rms |
| Power handling (at 20 °C, sea level, VSWR 1.0) | ≤ 80 W @ 2 GHz |

Mechanical data

| | |
|-----------------------------------|----------|
| Mating cycles | min. 500 |
| Center contact captivation: axial | ≥ 15 N |

Environmental data

| | |
|---------------------|---------------------------------|
| Temperature range | -45°C to +85°C |
| Thermal shock | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion | MIL-STD-202, Meth. 101, Cond. B |
| Vibration | MIL-STD-202, Meth. 204, Cond. B |
| Shock | MIL-STD-202, Meth. 213, Cond. G |
| Moisture resistance | MIL-STD-202, Meth. 106 |
| 2002/95/EC (RoHS) | compliant |

Tooling

N/A

Suitable cables

N/A

Packing

| | |
|----------|--------------|
| Standard | 1 pce in bag |
| Weight | 18 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 |
|--|----------|------------------|----------|------|--|----------------|---------------|
| Chr. Entsfellner | 10/07/08 | J. Krautenbacher | 10/07/08 | d00 | 07-0154 | S. Huber-Siegl | 10/07/08 |
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