



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

Interface

According to IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

Assembly instruction 51 P10

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Gasket
- Crimping ferrule

Material

- Brass
- Brass
- Brass
- PTFE
- NeopreneCR 50C6
- Copper

Plating

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

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Electrical data

| | |
|--|--|
| Impedance | 50 Ω |
| Frequency | DC to 10 GHz |
| Return loss | ≥ 30 dB, DC to 2.5 GHz ≥ 20 dB, 2.5 to 4 GHz ≥ 18 dB, 4 to 6 GHz |
| Insertion loss | ≤ 0.05 dB, DC to 6 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 | 500 V rms |
| Power handling (at 20 °C, sea level, VSWR 1.0) | ≤ 80 W @ 2 GHz |

- Limitations are possible due to the used cable type -

Mechanical data

| | |
|-----------------------------------|--------------------|
| Mating cycles | ≥ 500 |
| Center contact captivation: axial | ≥ 15 N |
| Coupling test torque | ≤ 1.7 Nm |
| Recommended torque | 0.46 Nm to 0.69 Nm |

Environmental data

| | |
|---------------------|--------------------------------------|
| Temperature range | -65 °C to +165 °C |
| Thermal shock | MIL-STD-202, Method 107, Condition B |
| Corrosion | MIL-STD-202, Method 101, Condition B |
| Vibration | MIL-STD-202, Method 204, Condition B |
| Shock | MIL-STD-202, Method 213, Condition G |
| Moisture resistance | MIL-STD-202, Method 106 |
| RoHS | compliant |

Tooling

| | |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert | 11W150-208 |

Suitable cables

RG 142 B/U, RG 223 /U, RG 400 /U

Weight

| | |
|--------|------------|
| Weight | 12.7 g/pce |
|--------|------------|

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|--|----------|-------------------|----------|------|--|-----------|---------------|
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
| Inge Mühlauer | 10.08.04 | Sa. Krautenbacher | 20.03.14 | f00 | 14-0352 | T. Krojer | 20.03.14 |
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