



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

Interface

Compatible to

IEC 61169-8, MIL-PRF-39012, CECC 22120

Documents

Assembly instruction

51 P1

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 | 75 Ω |
| Frequency | DC to 4 GHz |
| Return loss | ≥ 35 dB @ DC to 2 GHz ≥ 30 dB @ 2 GHz to 4 GHz |
| Insertion loss | ≤ 0.05 x √ f [GHz] dB |
| Insulation resistance | ≥ 5 GΩ |
| Center contact resistance | ≤ 1.5 mΩ |
| Outer contact resistance | ≤ 1 mΩ |
| Test voltage (at sea level) | 1500 V rms |
| Working voltage (at sea level) | 400 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 | ≥ 27 N |

Environmental data

| | |
|----------------------|--------------------------------------|
| Temperature range | -65 °C to +165 °C |
| Thermal shock | MIL-STD-202, Method 107, Condition B |
| Corrosion resistance | 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 | 11W150-209 |

Suitable cables

RG 59 B/U, G 04233-2, URM 104, Video 0.6/3.7

Weight

| | |
|--------|------------|
| Weight | 10.4 g/pce |
|--------|------------|

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|---------------|----------|-------------------|----------|------|---------------------------|-----------|----------|
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
| Inge Mühlauer | 03.08.04 | Sa. Krautenbacher | 24.03.14 | d00 | 14-0352 | T. Krojer | 24.03.14 |

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