



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 M2

**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®)
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RF\_35/08.13/6.1

**Electrical data**

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 35 dB, DC to 1 GHz ≥ 25 dB, 1 to 2 GHz ≥ 20 dB, 2 to 3 GHz
Insertion loss	≤ 0.05 dB, DC to 3 GHz
Insulation resistance	≥ 5 x10 <sup>3</sup> 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

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 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	11W150-102

**Suitable cables**

RG 179 B/U, RG 187 A/U

**Weight**

Weight	18.2 g/pce
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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