



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	Brass	Plating	AuroDur®, gold plated
Outer contact	Brass		Flash white bronze over silver(e.g. Optargen®)
Body	Brass		Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE		
Gasket	NeopreneCR 50C6		
Crimping ferrule	Copper		Flash white bronze over silver(e.g. Optargen®)

**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 <sup>3</sup> 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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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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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