



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 P1

**Material and plating**

**Connector parts**

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

**Material**

- CuBe
- Brass
- Brass
- PTFE
- Copper

**Plating**

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

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 33 dB, DC to 2.5 GHz ≥ 30 dB, 2.5 to 5 GHz ≥ 28 dB, 5 to 8 GHz
Insertion loss	≤ 0.05 dB, DC to 8 GHz
Insulation resistance	≥ 5 GΩ
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 141 /U, RG 58 C/U

**Weight**

Weight	13.7 g/pce
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Chr. Entfellner	24.07.08	Sa. Krautenbacher	19.03.14	e00	14-0352	T. Krojer	19.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de		Page 2 / 2