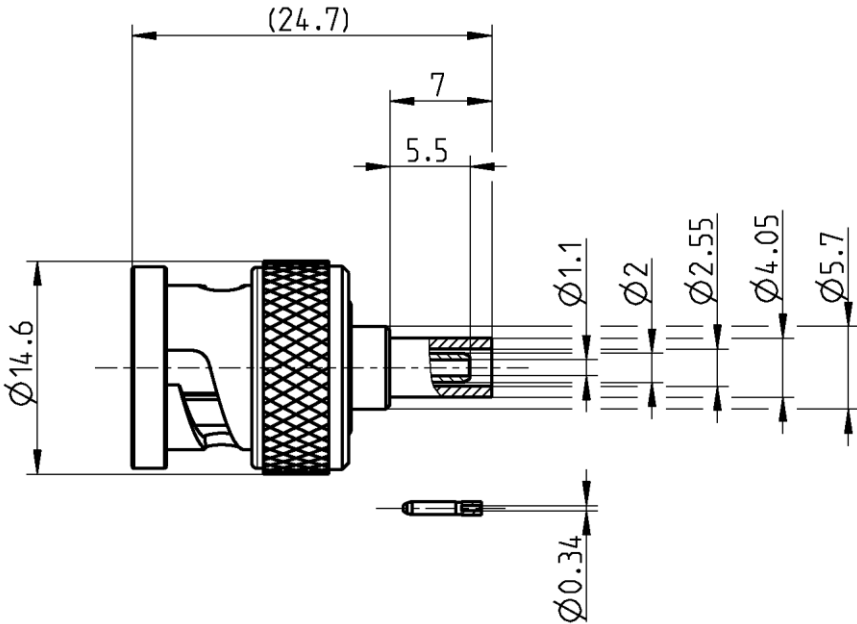


Technical Data Sheet		Rosenberger
BNC 50 Ω	Straight Plug	51S107-801N5
  All dimensions are in mm; tolerances according to ISO 2768 m-H		
Interface According to DIN EN 61169-8		
Documents Assembly instruction 51 T		
Material and plating Connector parts Center contact Outer contact Body Dielectric Gasket Crimping ferrule Material Spring bronze 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®)		
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.com		Tel. : +49 8684 18-0 Email : info@rosenberger.com Page 1 / 2

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 22 dB, DC to 1 GHz ≥ 17 dB, 1 to 2 GHz ≥ 14 dB, 2 to 4 GHz
Insertion loss	≤ 0.07 x √ f [GHz] dB, DC to 2 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	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	-45°C to +85°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-402

Suitable cables

RG 196 A/U, RG 178 B/U

Weight

Weight	10.3 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
Inge Mühlauer	20.07.04	Chr. Janßen	17.12.20	f00	20-1927	S. Huber-Siegl	17.12.20
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