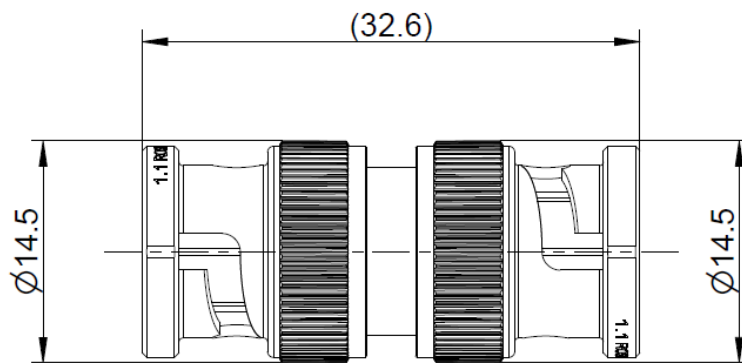
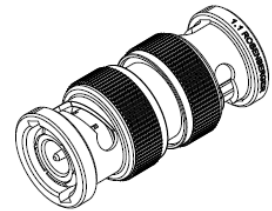


BNC 50 Ω

Adaptor  
Plug – Plug

**51S101-S00N5**



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

**Interface**

According to DIN EN 61169-8

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Body  
Dielectric

**Material**

Brass  
Brass  
Brass  
PTFE

**Plating**

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

BNC 50 Ω Adaptor  
Plug – Plug

**51S101-S00N5**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 10 GHz  
 Return loss ≥ 30 dB, DC to 1 GHz  
 ≥ 28 dB, 1 to 2 GHz  
 ≥ 18 dB, 2 to 4 GHz  
 Insertion loss ≤ 0.05 x √ f [GHz] dB, DC to 4 GHz  
 Insulation resistance ≥ 5 x 10<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

**Mechanical data**

Mating cycles ≥ 500  
 Center contact captivation: axial ≥ 15 N

**Environmental data**

Temperature range -55°C to +155°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**

N/A

**Suitable cables**

N/A

**Weight**

Weight 20.3 g/pce

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
Chr. Entsfellner	17.07.08	Chr. Janßen	08.04.26	g00	25-1529	A_Wallner	27.03.26

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