



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 P

**Material and plating**

**Connector parts**

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

**Material**

- Spring bronze
- Brass
- Brass
- PTFE
- Copper

**Plating**

- AuroDur®, gold plated
- Flash white bronze over silver(e.g. Optargen®)
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BNC 75 Ω

STRAIGHT JACK

**71K101-109N5**

**Electrical data**

Impedance 75 Ω  
 Frequency DC to 4 GHz  
 Return loss ≥ 23 dB @ DC to 1 GHz  
 ≥ 15 dB @ 1 GHz to 4 GHz  
 Insertion loss ≤ 0.05 x √ f [GHz] dB  
 Insulation resistance ≥ 5 GΩ  
 Center contact resistance ≤ 1.5 mΩ  
 Outer contact resistance ≤ 1 mΩ  
 Test voltage (at sea level) 1500 V rms  
 Working voltage (at sea level) 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, 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 11W150-209

**Suitable cables**

RG 59 B/U

**Weight**

Weight 13.5 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	20.07.04	Sa. Krautenbacher	21.03.14	d00	14-0352	T. Krojer	21.03.14

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