



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

**Interface**

According to DIN EN 61169-8

**Documents**

Panel piercing B 3

**Material and plating**

**Connector parts**

Center contact	CuBe
Outer contact	Brass
Body	Brass
Dielectric	PTFE
Gasket	Silicone
Gasket	NBR

**Plating**

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

BNC 50 Ω Adaptor  
Jack – Jack

**51K501-K00N5**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 10 GHz  
 Return loss ≥ 30 dB, DC to 2.5 GHz  
 ≥ 20 dB, 2.5 to 6 GHz  
 Insertion loss ≤ 0.05 x √ f [GHz] 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 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 -25°C to +110°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  
 Degree of protection (mated pair) IEC 60529, IP68 (assembled in housing)  
 RoHS compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 21.5 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.

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



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Chr. Entsfellner	10.07.08	Chr. Janßen	03.12.20	f00	20-1927	S. Huber-Siegl	03.12.20

Rosenberger Hochfrequenztechnik GmbH & Co. KG  
 P.O.Box 1260 D-84526 Tittmoning Germany  
<http://www.rosenberger.com/>

Tel. : +49 8684 18-0  
 Email : [info@rosenberger.com](mailto:info@rosenberger.com)

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