



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

**Interface**

According to IEC 61169-8

**Documents**

Panel piercing B 3

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Body  
Dielectric  
Isolating round flange

**Material**

CuNi1Pb1P (C97)  
Brass  
Brass  
PTFE  
POM

**Plating**

AuroDur®, gold plated  
Nickel, 2.5-5 µm  
Nickel, 2.5-5 µm

BNC 50 Ω

ADAPTOR  
JACK - JACK

**51K542-K00A5**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 10 GHz  
 Return loss ≥ 36 dB @ DC to 2 GHz  
 ≥ 29 dB @ 2 GHz to 3 GHz  
 Insertion loss ≤ 0.05 x √ f [GHz] dB, DC to 3 GHz  
 Insulation resistance ≥ 5 MΩ  
 Center contact resistance ≤ 20 mΩ  
 Outer contact resistance ≤ 5 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

**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, 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**

N/A

**Suitable cables**

N/A

**Weight**

Weight 14.2 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
Chr. Entfellner	10.07.08	Sa. Krautenbacher	17.03.14	g00	14-0352	T. Krojer	17.03.14

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