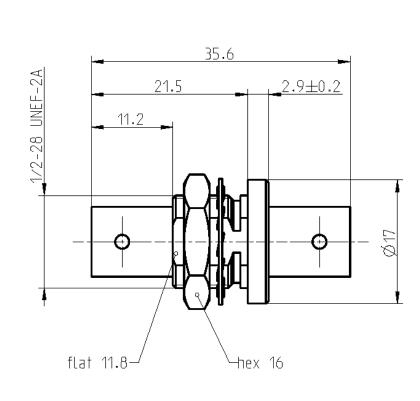
| Technical Data Sheet | | Rosenberger | | |
|----------------------|------------------------|--------------|--|--|
| BNC 50 Ω | Adaptor Jack – Jack | 51K542-K00A5 | | |





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

| Material and plating Connector parts | Material | Plat | | |
|--------------------------------------|----------------|------|--|--|
| Documents Panel piercing | B 3 | | | |
| According to | DIN EN 61169-8 | | | |

Center contact
CuNi1Pb1P (C97)
Outer contact
Body
Brass
Dielectric
Isolating round flange
CuNi1Pb1P (C97)
Brass
PTFE
POM

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

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Rosenberger **Technical Data Sheet** Adaptor 51K542-K00A5 BNC 50 Ω Jack - Jack

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

 \leq 0.05 x \sqrt{f} [GHz] dB, DC to 3 GHz Insertion loss

 \geq 5 M Ω Insulation resistance Center contact resistance \leq 20 m Ω Outer contact resistance \leq 5 m Ω 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 MIL-STD-202, Method 107, Condition B Thermal shock Corrosion resistance MIL-STD-202, Method 101, Condition B Vibration MIL-STD-202, Method 204, Condition B MIL-STD-202, Method 213, Condition G Shock Moisture resistance MIL-STD-202, Method 106

N/A

RoHS compliant

Tooling

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.

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 | 08.12.20 | h00 | 20-1927 | S. Huber-Siegl | 08.12.20 |

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