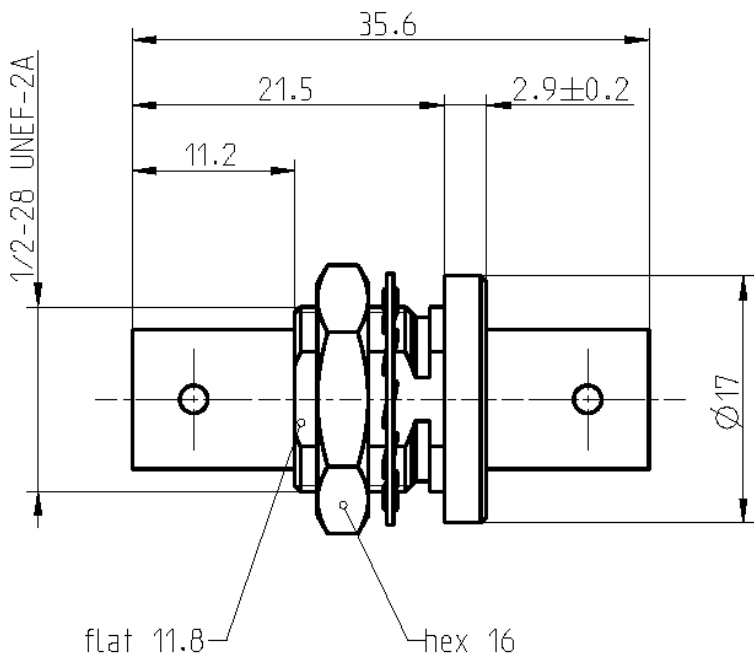


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RF_35/08.13/6.1

Technical Data Sheet		Rosenberger
BNC 50 Ω	ADAPTOR JACK - JACK	51K542-K00A5
		
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	Material CuNi1Pb1P (C97)	Plating AuroDur®, gold plated
Outer contact	Brass	Nickel, 2.5-5 µm
Body	Brass	Nickel, 2.5-5 µm
Dielectric	PTFE	
Isolating round flange	POM	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de		Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de
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Technical Data Sheet		Rosenberger					
BNC 50 Ω	ADAPTOR JACK - JACK	51K542-K00A5					
Electrical data Impedance50 Ω FrequencyDC 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 shockMIL-STD-202, Method 107, Condition B Corrosion resistanceMIL-STD-202, Method 101, Condition B VibrationMIL-STD-202, Method 204, Condition B ShockMIL-STD-202, Method 213, Condition G Moisture resistanceMIL-STD-202, Method 106 RoHScompliant							
Tooling N/A							
Suitable cables N/A							
Packing Standard1 pce in bag Weight14.2 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. Entsfellner	10.07.08	A. Gasteiger	21.11.13	f00	13-0004	J. Krautenbacher	21.11.13
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