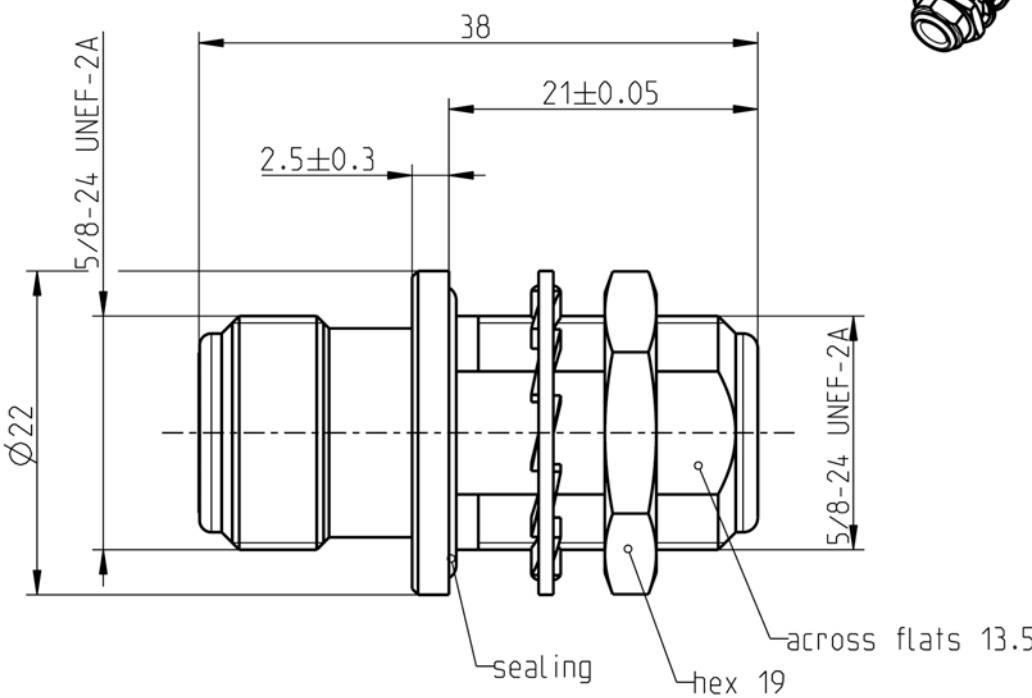


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Technical Data Sheet		Rosenberger
N 50 Ω	Adaptor Jack - Jack	53K503-K00N5
		
All dimensions are in mm; tolerances according to ISO 2768 m-H		
Interface According to IEC 61169-16, MIL-PRF-39012, CECC 22210		
Documents Panel piercing B 13		
Material and plating		
Connector parts		
Center contact	Material Spring bronze	Plating AuroDur®, gold plated
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de		Tel. : +49 8684 18-0 Email : info@rosenberger.de
		Page 1 / 2

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Technical Data Sheet				Rosenberger			
N 50 Ω		Adaptor Jack - Jack		53K503-K00N5			
Electrical data Impedance50 Ω FrequencyDC to 11 GHz Return loss≥ 32 dB @ DC to 2 GHz ≥ 25 dB @ 2 GHz to 4 GHz ≥ 22 dB @ 4 GHz to 9 GHz Insertion loss≤ 0.1 x √f [GHz] dB Insulation resistance≥ 5 GΩ Center contact resistance≤ 1 mΩ Outer contact resistance≤ 0.25 mΩ Working voltage (at sea level)500 V rms Power handling (at 20 °C, sea level, VSWR 1.0)1000 W @ 1 GHz 700 W @ 2 GHz RF-leakage≥ 128 dB @ DC to 1 GHz Intermodulation 3rd order≥ 115 dBm (2 x 43 dBm)							
Mechanical data Mating cycles≥ 500 Center contact captivation: axial≥ 28 N Coupling test torque≤ 1.7 Nm Recommended torque0.7 Nm to 1.1 Nm							
Environmental data Temperature range-45 °C to +85 °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 I Moisture resistanceMIL-STD-202, Method 106 Degree of protection (mated pair)IEC 60529, IP67 RoHScompliant							
Weight Weight45.9 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
A. Fellner	15/11/07	J_Gramsamer	17.04.15	e00	15-0397	J_Krautenb.	17.04.15
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