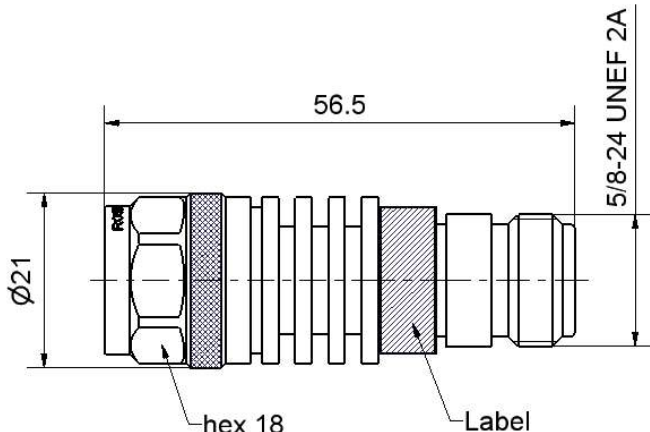


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Technical Data Sheet		Rosenberger																		
N 50 Ω	Attenuator Plug/Jack	53AS105-K20N3																		
 All dimensions are in mm; tolerances according to ISO 2768 m-H Interface According to IEC 60169-16, MIL-PRF-39012, CECC 22210 Documents N/A Material and plating Connector parts <table><tr><td>Center contact - plug</td><td>Brass</td><td>Plating Gold, min. 1.27 µm, over nickel</td></tr><tr><td>Center contact - jack</td><td>CuBe</td><td>Gold, min. 1.27 µm, over nickel</td></tr><tr><td>Outer contact</td><td>Brass</td><td>Flash white bronze over silver(e.g. Optargen®)</td></tr><tr><td>Coupling nut</td><td>Brass</td><td>Flash white bronze over silver(e.g. Optargen®)</td></tr><tr><td>Dielectric</td><td>PTFE</td><td></td></tr><tr><td>Substrate</td><td>ALN</td><td></td></tr></table>			Center contact - plug	Brass	Plating Gold, min. 1.27 µm, over nickel	Center contact - jack	CuBe	Gold, min. 1.27 µm, over nickel	Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)	Coupling nut	Brass	Flash white bronze over silver(e.g. Optargen®)	Dielectric	PTFE		Substrate	ALN	
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Technical Data Sheet				Rosenberger			
N 50 Ω		Attenuator Plug/Jack		53AS105-K20N3			
Electrical data Impedance50 Ω FrequencyDC to 10 GHz Return loss≥ 26.4 dB, DC to 2 GHz ≥ 21.2 dB, 2 GHz to 5 GHz ≥ 14.0 dB, 5 GHz to 10 GHz Attenuation20 dB ± 0.5 dB, DC to 4 GHz 20 dB ± 1.5 dB, 4 GHz to 10 GHz Center contact resistance≤ 1 mΩ Outer contact resistance≤ 0.25 mΩ Power handling≤ 5 W at 25°C Mechanical data Mating cycles≥ 500 Coupling nut retention≥ 450 N Center contact captivation:≥ 28 N Maximum torque1.70 Nm Recommended torque0.70 Nm to 1.10 Nm Environmental data Temperature range-65°C to +125°C RoHScompliant Packing Standard1 pce in bag Weight73 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
Kerstin Herzog	05/08/05	Lars Ramtke	16/08/13	b00	12-0878	Marion Striegler	16/08/13
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