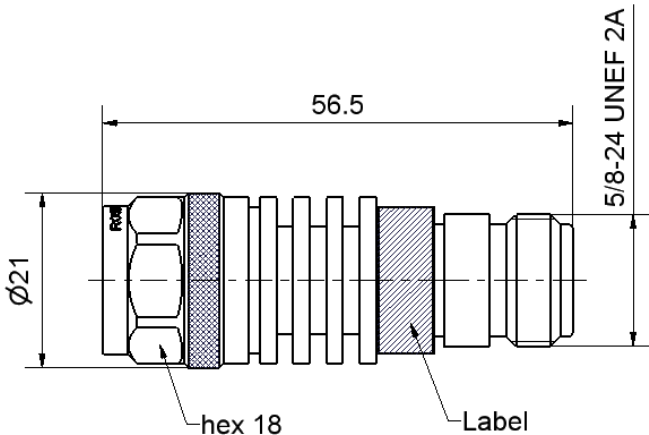


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Technical Data Sheet		Rosenberger																					
N 50 Ω	Attenuator Plug/Jack	53AS105-K30N3																					
 All dimensions are in mm; tolerances according to ISO 2768 m-H Interface According to IEC 60169-16, MIL-PRF-39012, CECC 22210 Documents N/A Material and plating <table><tr><td>Connector parts</td><td>Material</td><td>Plating</td></tr><tr><td>Center contact - plug</td><td>Brass</td><td>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>			Connector parts	Material	Plating	Center contact - plug	Brass	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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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																					
		Page 1 / 2																					

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Technical Data Sheet				Rosenberger			
N 50 Ω		Attenuator Plug/Jack		53AS105-K30N3			
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 Attenuation30 dB ± 0.5 dB, DC to 4 GHz 30 dB ± 1.75 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	
Kerstin Herzog		05/08/05		Lars Ramtke		16/08/13	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Rev. b00		Engineering change number 12-0878 Name Marion Striegler Date 16/08/13	
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