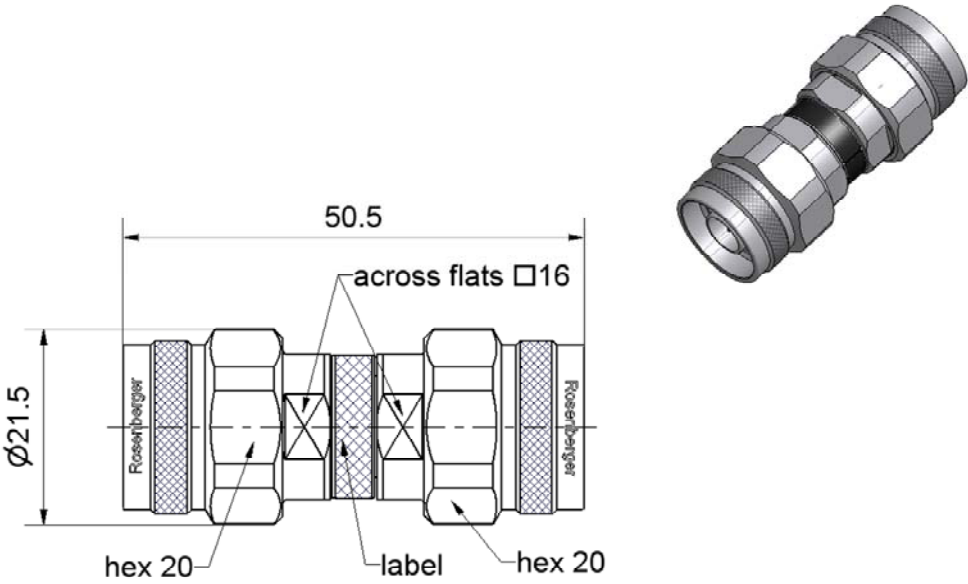


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Technical Data Sheet		Rosenberger																		
RPC-N 50 Ω	Attenuator Plug/Plug	05AS102-S03S3																		
																				
All dimensions are in mm; tolerances according to ISO 2768 m-H																				
Interface According to IEC 61169-16 ; CECC 22 210 ; MIL-STD 348A/402																				
Documents N/A																				
Material and plating <table><tr><td>Connector parts</td><td>Material</td><td>Plating</td></tr><tr><td>Center conductor</td><td>Brass</td><td>Gold, min. 1.27 µm, over nickel</td></tr><tr><td>Outer conductor</td><td>Stainless steel</td><td>Passivated</td></tr><tr><td>Coupling nut</td><td>Stainless steel</td><td>Passivated</td></tr><tr><td>Dielectric</td><td>PPE</td><td></td></tr><tr><td>Substrate</td><td>Al₂O₃</td><td></td></tr></table>			Connector parts	Material	Plating	Center conductor	Brass	Gold, min. 1.27 µm, over nickel	Outer conductor	Stainless steel	Passivated	Coupling nut	Stainless steel	Passivated	Dielectric	PPE		Substrate	Al ₂ O ₃	
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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																		
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Technical Data Sheet				Rosenberger			
RPC-N 50 Ω		Attenuator Plug/Plug		05AS102-S03S3			
Electrical data							
Impedance		50 Ω					
Frequency range		DC to 18 GHz					
Return loss		≥ 26.4 dB, DC to 4 GHz					
		≥ 23.1 dB, 4 GHz to 12.4 GHz					
		≥ 19.1 dB, 12.4 GHz to 18 GHz					
Attenuation		3 dB ± 0.3 dB, DC to 8 GHz					
		3 dB ± 0.5 dB, 8 GHz to 12.4 GHz					
		3 dB ± 0.8 dB, 12.4 GHz to 18 GHz					
Power handling		2 W at 25 °C					
Mechanical data							
Mating cycles		≥ 500					
Maximum torque		1.70 Nm					
Recommended torque		1.10 Nm					
Gauge		5.28 mm to 5.36 mm					
Environmental data							
Operating temperature range ¹		0 °C to +50 °C					
Storage temperature range		-40 °C to +85 °C					
2002/95/EC (RoHS)		compliant					
¹ Temperature range over which these specifications are valid.							
Packing							
Standard		1 pce in box					
Weight		67.0 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	05/01/05	Frank Weiß	24/01/12	e00	11-0832	Marion Striegler	19/01/12
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 2 / 2