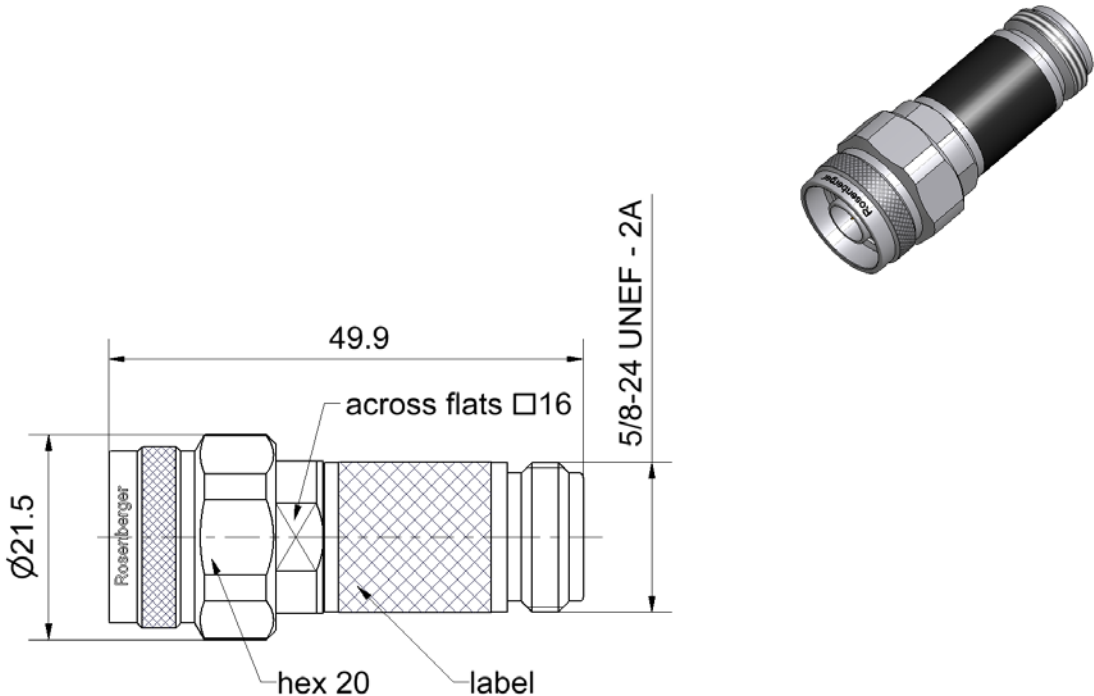


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Technical Data Sheet		Rosenberger
RPC-N 50 Ω	Attenuator Plug/Jack	05AS102-K40S3
		
All dimensions are in mm; tolerances according to ISO 2768 m-H		
Interface		
According to		IEC 61169-16 ; CECC 22 210 ; MIL-STD 348A/402
Documents		
		N/A
Material and plating		
Connector parts		
Center conductor - plug	Material	Plating
Center conductor - jack	Brass	Gold, min. 1.27 µm, over nickel
Outer conductor	Beryllium copper	Gold, min. 1.27 µm, over nickel
Coupling nut	Stainless steel	Passivated
Dielectric	Stainless steel	Passivated
Substrate	PPE	
	Al ₂ O ₃	
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Technical Data Sheet				Rosenberger			
RPC-N 50 Ω		Attenuator Plug/Jack		05AS102-K40S3			
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		40 dB ± 0.8 dB, DC to 4 GHz					
		40 dB ± 1.0 dB, 4 GHz to 12.4 GHz					
		40 dB ± 1.5 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 - plug		5.28 mm to 5.36 mm					
Gauge - jack		5.18 mm to 5.26 mm					
Environmental data							
Operating temperature range ¹		0 °C to +50 °C					
Storage temperature range		-40 °C to +85 °C					
RoHS		compliant					
¹ Temperature range over which these specifications are valid.							
Packing							
Standard		1 pce in box					
Weight		68.0 g/pce					
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Kerstin Herzog	06/01/05	Frank Weiß	12/02/13	f00	13-0169	Marion Striegler	12/02/13
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