

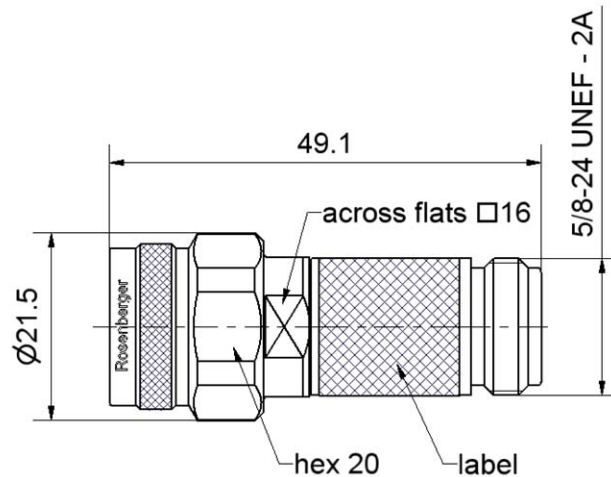
Technical Data Sheet

Rosenberger

RPC-N
50 Ω

Attenuator
Plug/Jack

05AS102-K30S3



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
Center conductor - jack
Outer conductor
Coupling nut
Dielectric
Substrate

Material

Brass
Beryllium copper
Stainless steel
Stainless steel
PPE
Al₂O₃

Plating

Gold, min. 1.27 µm, over nickel
Gold, min. 1.27 µm, over nickel
Passivated
Passivated

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RF_35/05.10/6.0

Technical Data Sheet				Rosenberger			
RPC-N 50 Ω		Attenuator Plug/Jack		05AS102-K30S3			
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		30 dB ± 0.8 dB, DC to 4 GHz					
		30 dB ± 1.0 dB, 4 GHz to 12.4 GHz					
		30 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					
2002/95/EC (RoHS)		compliant					
¹ Temperature range over which these specifications are valid.							
Packing							
Standard		1 pce in box					
Weight		59.0 g/pce					
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