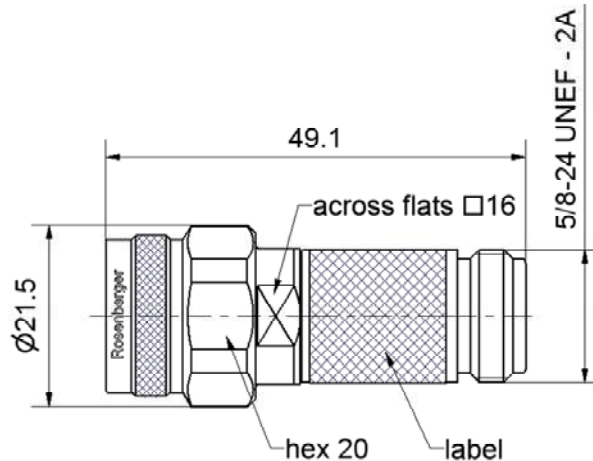




All dimensions are in mm; tolerances according to ISO 2768 m-H

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-K03S3			
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 - 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					
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
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