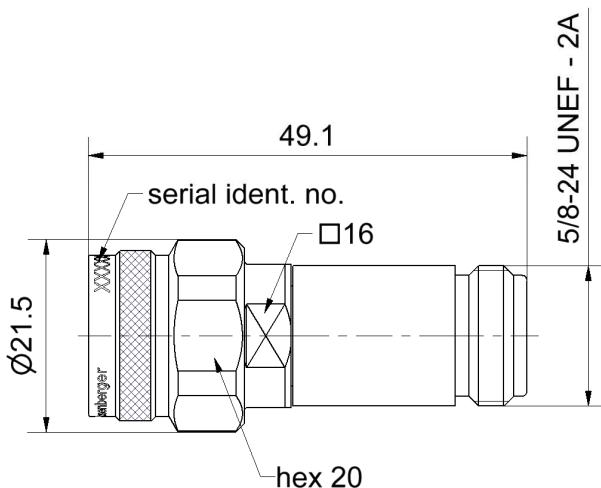


RPC-N

Matching Attenuator  
50 Ω Jack – 75 Ω Plug

05K1P5-S2AS3



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

### Interface

According to IEC 61169-16

### Documents

Application note AN001 "Calibration Services"

### Material and plating

#### Connector parts

Center conductor  
Outer conductor  
Coupling nut  
Dielectric  
Substrate

#### Material

CuBe  
Stainless steel  
Stainless steel  
PPE; PS  
Al<sub>2</sub>O<sub>3</sub>

#### Plating

Gold, min. 1.27 µm, over nickel  
Passivated  
Passivated

Technical Data Sheet				Rosenberger										
RPC-N	Matching Attenuator 50 Ω Jack – 75 Ω Plug			05K1P5-S2AS3										
<b>Electrical data</b>														
Frequency range	DC to 12 GHz													
Return loss	≥ 25 dB, DC to 4 GHz													
	≥ 19 dB, 4 GHz to 8 GHz													
Attenuation	≥ 15 dB, 8 GHz to 12 GHz													
Power handling	5.72 dB (non warranted)													
	≤ 1 W													
<b>Mechanical data</b>														
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													
<b>Environmental data</b>														
Operating temperature range <sup>1</sup>	+20 °C to +26 °C													
Rated temperature range of use <sup>2</sup>	0 °C to +50 °C													
Storage temperature range	- 40 °C to +85 °C													
RoHS	compliant													
<sup>1</sup> Temperature range over which these specification are valid.														
<sup>2</sup> This range is underneath and above the operating temperature range, within the calibration adaptor is fully functional and could be used without damage.														
<b>Declaration of calibration options</b>														
<b>Factory Calibration</b>														
Standard delivery for this device includes a Factory Calibration. The Calibration Certificate issued reports individual calibration results, traceable to national / international standards.														
<b>Accredited Calibration</b>														
Optional this device can be delivered with an Accredited Calibration (DAkkS) having the highest confidence in the traceability. The DAkkS Calibration Certificate issued reports individual calibration results in a complex format, traceable to national / international standards.														
For further, more detailed information see application note AN001 on the Rosenberger homepage.														
<b>Calibration interval</b>														
Recommendation	12 months													
<b>Packing</b>														
Standard	1 pce in box													
Weight	63.0 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							
Marcel Panicke	18.08.14	Markus Müller	10.08.16	c00	16-1267	Marion Striegler	10.08.16							
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