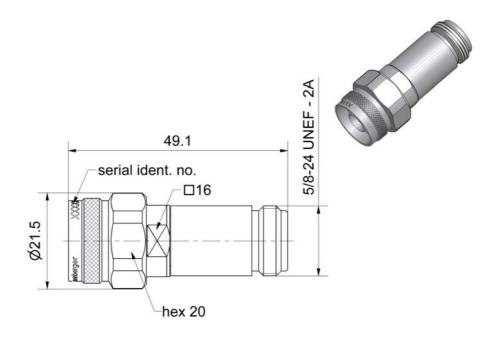
Technical Data Sheet		Rosenberger		
RPC-N	Matching Attenuator	05S1P5-K2AS3		



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

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According to

IEC 61169-16

Documents

Application note

AN001 "Calibration Services"

Material and plating Connector parts

Connector parts
Center conductor
Outer conductor
Coupling nut
Dielectric
Substrate

Material

CuBe Stainless steel Stainless steel PPE; PS Al₂O₃

Plating

Tel. : +49 8684 18-0

Email: info@rosenberger.de

Gold, min. 1.27 μm, over nickel Passivated Passivated

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de

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Technical Data Sheet RPC-N Matching Attenuator 05S1P5-K2AS3

Electrical data

Frequency range DC to 12 GHz

 50Ω Plug -75Ω Jack

Return loss \geq 25 dB, DC to 4 GHz

≥ 19 dB, 4 GHz to 8 GHz ≥ 15 dB, 8 GHz to 12 GHz

Attenuation 5.72 dB (non warranted)

Power handling $\leq 1 \text{ W}$

Mechanical data

 $\begin{array}{ll} \text{Mating cycles} & \geq 500 \\ \text{Maximum torque} & 1.70 \text{ Nm} \\ \text{Recommended torque} & 1.10 \text{ Nm} \\ \end{array}$

Gauge - plug 5.28 mm to 5.36 mm Gauge - jack 5.18 mm to 5.26 mm

Environmental data

Operating temperature range¹ +20 °C to +26 °C Rated temperature range of use² 0 °C to +50 °C Storage temperature range -40 °C to +85 °C

RoHS compliant

¹ Temperature range over which these specification are valid.

Declaration of calibration options

Factory Calibration

Standard delivery for this device includes a Factory Calibration. The Calibration Certificate issued reports individual calibration results, traceable to national / international standards.

Accredited Calibration

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.

Calibration interval

Recommendation 12 months

Packing

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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² This range is underneath and above the operating temperature range, within the calibration adaptor is fully functional and could be used without damage.

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