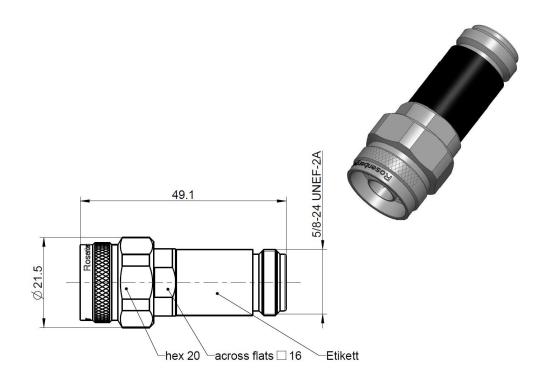
Technical Data Sheet		Rosenberger		
RPC-N	Matching Attenuator 50 Ω Plug – 75 Ω Jack	05S1P5-K2BS3		



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"

Plating

Material and plating Connector parts

Connector parts
Center conductor
Outer conductor
Coupling nut
Dielectric
Substrate

Material

CuBe Gold, min. 1.27 μ m, over nickel Stainless steel Passivated PPE; Al $_2O_3$

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Technical Data Sheet

Rosenberger

RPC-N

Matching Attenuator 50 Ω Plug – 75 Ω Jack

05S1P5-K2BS3

Electrical data

Frequency range

Return loss

Attenuation

 \geq 25 dB, DC to 4 GHz \geq 19 dB, 4 GHz to 8 GHz \geq 15 dB, 8 GHz to 12 GHz \geq 12 dB, 12 GHz to 18 GHz

≥ 12 dB, 12 GHz to 18 GHz 5.72 dB (non warranted)

DC to 18 GHz

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 specifications 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 calibration standard can be delivered with an Accredited Calibration (DAkkS) up to 12 GHz 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Marion Striegler	10.08.21	Lars Ramtke	22.04.22	d00	22-1011	David d'Argent	22.04.22

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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.