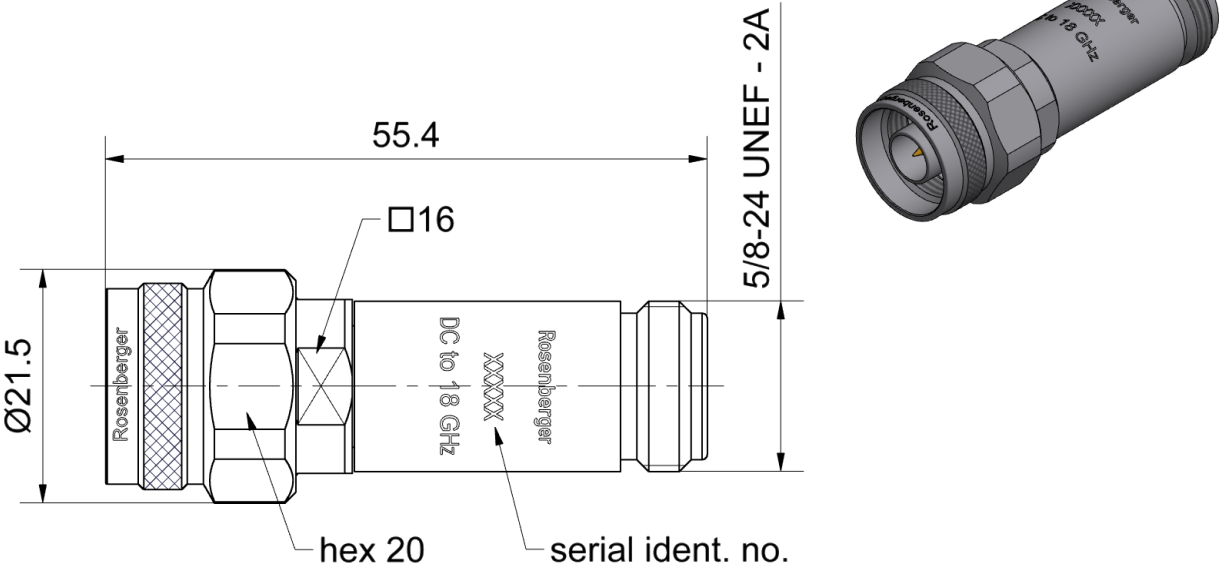


Technical Data Sheet		Rosenberger
RPC-N	Impedance Matching Adaptor 50 Ω Plug – 75 Ω Jack	05S1P5-K21S3
		
All dimensions are in mm; tolerances according to ISO 2768 m-H		
Interface According to IEC 61169-16		
Documents Application note AN001 “Calibration Services”		
Material and plating		
Connector parts	Material	Plating
Center conductor	CuBe	Gold, min. 1.27 µm, over nickel
Outer conductor	Stainless steel	Passivated
Coupling nut	Stainless steel	Passivated
Dielectric	PPE;	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de		Tel. : +49 8684 18-0 Email : info@rosenberger.de
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Electrical data

Frequency range	DC to 18 GHz
Return loss	≥ 11 dB, DC to 18 GHz

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	+20 °C to +26 °C
Rated temperature range of use ²	0 °C to +50 °C
Storage temperature range	-40 °C to +85 °C

RoHS	compliant
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¹ Temperature range over which these specifications are valid.

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

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
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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	a00	21-s117	David d'Argent	22.04.22
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