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RFB00035/12.20/6.4 Diese

	al Data Sheet	Rosenberger			
RPC-N 75 Ω	Calibration Adaptor Jack/Jack		P5K121-K21S3		
Electrical d					
Frequency ra Return loss	inge	DC to 18 GHz ≥ 36 dB, DC to 4 GHz ≥ 25 dB, 4 GHz to 12 GHz ≥ 20 dB, 12 GHz to 18 GHz			
Mechanica Mating cycles Maximum tor Recommend Gauge	s que	≥ 500 1.70 Nm 1.10 Nm 5.18 mm to 5.26 mm			
of this calibration standard. The different mo will have to be entered into the VNA. All value Offset $Z_o$ / Impedance / $Z_o$ Offset Delay					
Length (electrical) / Offset Length Offset Loss Loss		1.20 GΩ/s 0.0108 dB/ √GHz			
Environme Operating ter	<b>ntal data</b> nperature range <sup>1</sup>	+20 °C to +:	26 °C		
Rated temperature range of use <sup>2</sup> Storage temperature range		0 °C to +50 °C - 40 °C to +85 °C			
RoHS		compliant			
		are valid. emperature range	, within the calibration adaptor is fully functional		
<ol> <li>Temperature i <sup>2</sup> This range is u and could be u</li></ol>	useu wiinoui uannaye.				

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# **Technical Data Sheet**

RPC-N 75 Ω Calibration Adaptor Jack/Jack

# Rosenberger

# P5K121-K21S3

## Declaration of calibration options

### Factory Calibration

Standard delivery for this calibration standard includes a Factory Calibration. The Calibration Certificate issued reports individual calibration results, traceable to national / international standards. Model based standard definitions are reported in an Agilent/Keysight, Rohde & Schwarz and Anritsu compatible VNA format.

## **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. Model based standard definitions are individually optimized and reported in an Agilent/Keysight, Rohde & Schwarz and Anritsu compatible VNA format as well as in a dense data set needed for data based standard definitions. The uncertainties are smaller than in a Factory Calibration.

For further, more detailed information see application note AN001 on the Rosenberger homepage.

### Calibration interval

Recommendation

12 months

Packing

Standard Weight 1 pce in box 76.0 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.



5	Draft	Date	Approved	Date		Rev.	Engineering change number	Name	Date
	Marion Striegler	11.08.21	Lars Ramtke	22.04.22		b00	22-1011	David d'Argent	22.04.22
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