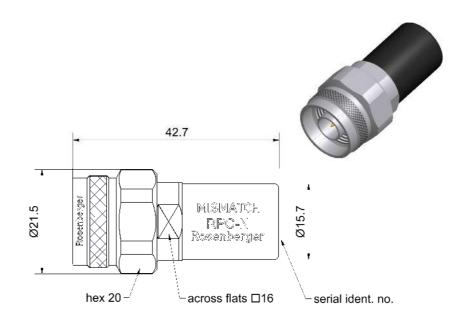
Technical Data Sheet		Rosenberger		
RPC-N	Mismatch Plug	05S150-055S3		



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

Interface	
According to	IEC 61169-16

Documents	
Application note	AN001 "Calibration Services"

, over nickel
,

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Page

1/2

Technical Data Sheet		Rosenberger		
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Electrical data

Frequency range DC to 18 GHz

VSWR 1.1  $\pm$  0.04, DC to 12.4 GHz

1.1  $\pm$  0.06, 12.4 GHz to 18 GHz

DC Resistance 55  $\Omega$ Power handling  $\leq$  1 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 5.28 mm to 5.36 mm

**Environmental data** 

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.

## 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.

## **Accredited Calibration**

Optional this calibration standard 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. Calibration results are reported in a dense data set file. 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 1 pce in box Weight 50.0 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.

Kerstin Herzog 12.07.04 Martin Moder 29.01.15 d00 14-1492 Herbert Babinger 29.01.1	Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
	Kerstin Herzog	12.07.04	Martin Moder	29.01.15	d00	14-1492	Herbert Babinger	29.01.15

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<sup>&</sup>lt;sup>2</sup> This range is underneath and above the operating temperature range, within the mismatch is fully functional and could be used without damage.