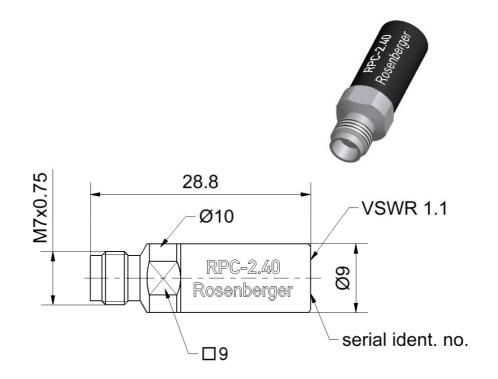
Technical Data Sheet		Rosenberger			
RPC-2.40	Mismatch Jack	09K150-055S3			



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

#### Interface

According to Mechanically compatible with IEC 61169-40 RPC-1.85

## **Documents**

Application note

AN001 "Calibration Services"

#### Material and plating

Connector parts Center contact

Outer contact Dielectric Substrate

Material **Plating** 

Beryllium copper Gold, min. 1.27 µm, over nickel Stainless steel **Passivated** 

PS

 $Al_2O_3$ 

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### **Technical Data Sheet**

# Rosenberger

**RPC-2.40** 

Mismatch Jack

09K150-055S3

#### Electrical data

Frequency DC to 50 GHz

Return loss  $\geq$  1.1  $\pm$  0.07, DC to 20 GHz  $\geq$  1.1  $\pm$  0.13, 20 GHz to 50 GHz

DC Resistance 55  $\Omega \pm 0.275~\Omega$ 

Power handling (at 25 °C, sea level)  $\leq 0.5 \text{ W}$ , derated linearity by 0.005 W/K

#### Mechanical data

 $\begin{array}{ll} \text{Mating cycles} & \geq 500 \\ \text{Maximum torque} & 1.65 \text{ Nm} \\ \text{Recommended torque} & 0.90 \text{ Nm} \\ \end{array}$ 

Gauge 0.00 mm to 0.03 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

#### **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**

Not available.

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 7.2 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
Marion Striegler	19.08.14	Markus Müller	20.07.18	c00	18-1027	Marion Striegler	20.07.18

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<sup>&</sup>lt;sup>1</sup> Temperature range over which these specification are valid.

<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.

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