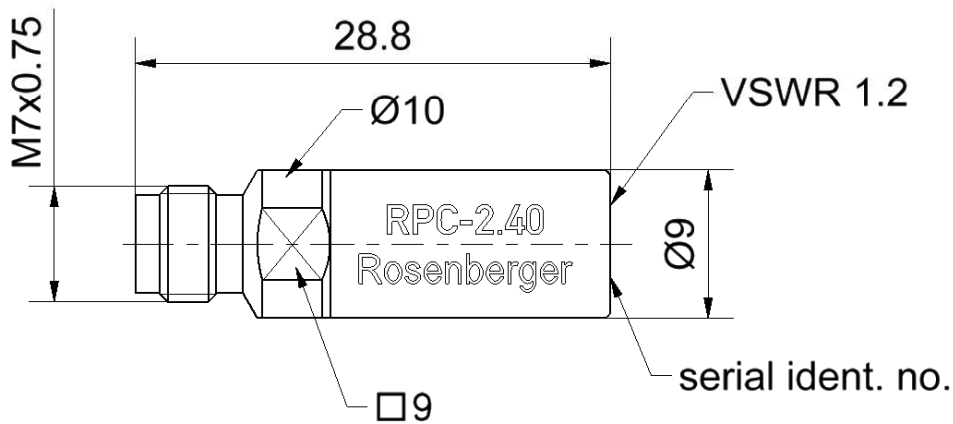


RPC-2.40

Mismatch  
Jack

**09K150-060S3**



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 conductor  
Outer conductor  
Dielectric  
Substrate

**Material**

CuBe  
Stainless steel  
PS  
Al<sub>2</sub>O<sub>3</sub>

**Plating**

Gold, min. 1.27 µm, over nickel  
Passivated

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RF\_35/05:10/6.0

RPC-2.40 Mismatch Jack

**09K150-060S3**

**Electrical data**

Frequency range DC to 50 GHz  
 VSWR 1.2 ± 0.07, DC to 20 GHz  
 1.2 ± 0.13, 20 GHz to 50 GHz  
 DC Resistance 60 Ω  
 Power handling ≤ 0.5 W

**Mechanical data**

Mating cycles ≥ 500  
 Maximum torque 1.65 Nm  
 Recommended torque 0.90 Nm  
 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

1. This range is a recommendation. However, the mismatch can be used in a wider range. Any temperature change from 23 °C results in dimensional changes
2. This range is underneath and above the operating temperature range, within the mismatch is fully functional and could be used without damage.

**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**

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	Martin Moder	24.03.15	b00	14-1492	Herbert Babinger	24.03.15

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>				Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2	
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