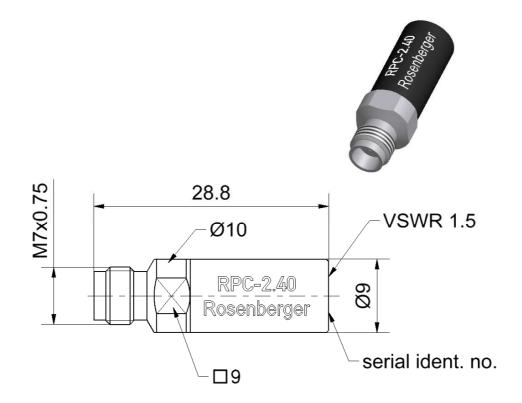
Technical Data Sheet		Rosenberger		
RPC-2.40	Mismatch Jack	09K150-075S3		



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 Al₂O₃

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Technical Data Sheet

Rosenberger

RPC-2.40

Mismatch Jack

09K150-075S3

Electrical data

Frequency DC to 50 GHz

Return loss \geq 1.5 ± 0.09, DC to 20 GHz \geq 1.5 ± 0.15, 20 GHz to 50 GHz

DC Resistance 75 $\Omega \pm 0.375 \Omega$

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 range¹ +20 °C to +26 °C Rated temperature range of use² 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	Lars Ramtke	08.10.19	d00	19-1910	Marion Striegler	08.10.19

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¹ Temperature range over which these specification are valid.

² 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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Rosenberger: 09K150-075S3