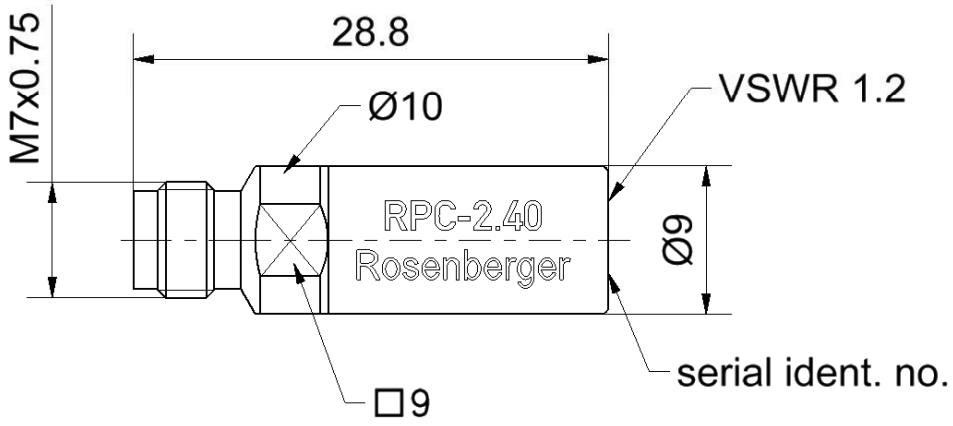
Technical Data Sheet		Rosenberger
RPC-2.40	Mismatch Jack	**09K150-060S3**





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

Interface

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

Documents

Application note	AN001 “Calibration Services”

Material and plating

Connector parts	**Material**	**Plating**
Center conductor	CuBe	Gold, min. 1.27 µm, over nickel
Outer conductor	Stainless steel	Passivated
Dielectric	PS	
Substrate	Al_2O_3	

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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[1]	+20 °C to +26 °C
Rated temperature range of use[2]	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
Marion Striegler	19.08.14	Martin Moder	24.03.15

Rev.	Engineering change number	Name	Date
b00	14-1492	Herbert Babinger	24.03.15

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