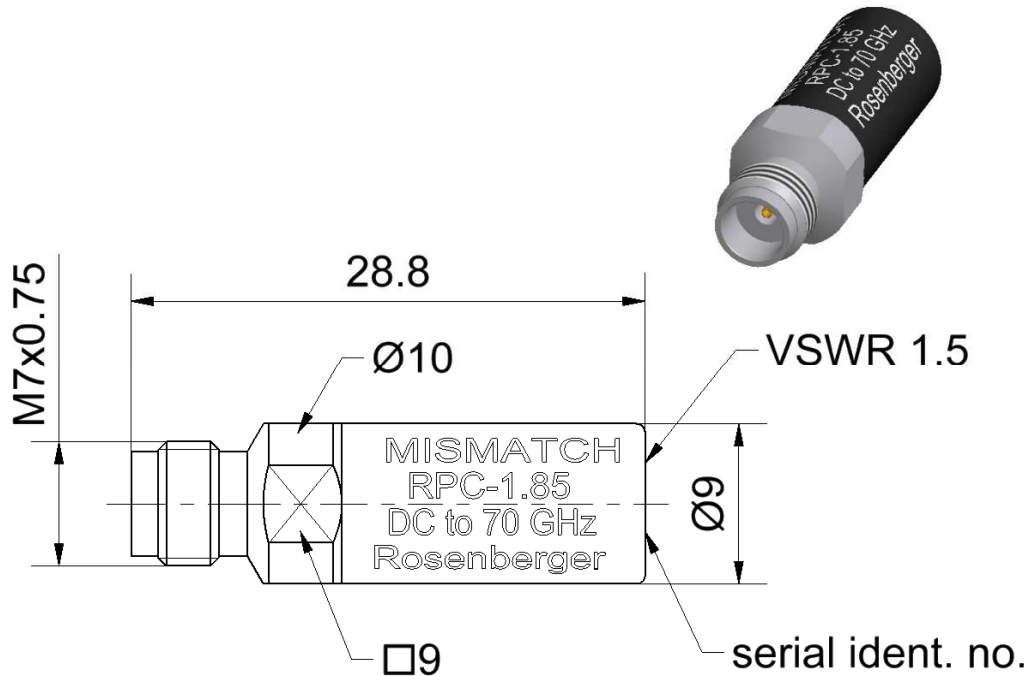


RPC-1.85

Mismatch  
Jack

**08K150-075S3**



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

**Interface**

According to IEC 61169-32  
Mechanically compatible with RPC-2.40

**Documents**

Application note AN001 "Calibration Services"

**Material and plating**

**Connector parts**

Center contact	<b>Material</b> Beryllium copper	<b>Plating</b> Gold, min. 1.27 µm, over nickel
Outer contact	Stainless steel	Passivated
Dielectric	PS	
Substrate	Al <sub>2</sub> O <sub>3</sub>	

# Technical Data Sheet

# Rosenberger

RPC-1.85

Mismatch  
Jack

08K150-075S3

## Electrical data

Frequency	DC to 70 GHz
Return loss	$\geq 1.5 \pm 0.12$ , DC to 26.5 GHz $\geq 1.5 \pm 0.20$ , 26.5 GHz to 70 GHz
DC Resistance	$75 \Omega \pm 0.375 \Omega$
Power handling (at 25 °C, sea level)	$\leq 0.5$ W, derated linearity by 0.005 W/K

## Mechanical data

Mating cycles	$\geq 500$
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

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

<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.

## 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 7.6 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	29.01.14	Markus Müller	11.10.19	e00	19-1910	Marion Striegler	11.10.19
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