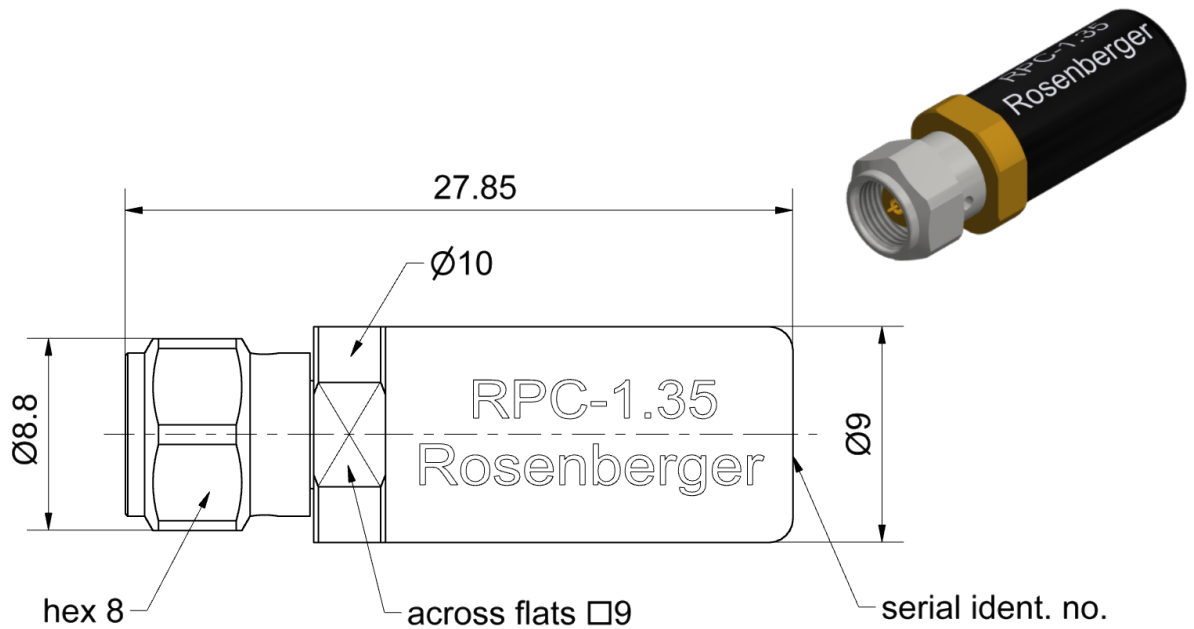


RPC-1.35 Short Circuit Plug

**P9S12S-000D3**



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

**Interface**

According to IEC 61169-65

**Documents**

Application note AN001 "Calibration Services"

**Material and plating**

**Connector parts**

Center conductor  
Outer conductor  
Coupling nut

**Material**

CuBe  
CuBe or equiv.  
Stainless steel

**Plating**

Gold, min. 1.27µm  
Gold, min. 1.27µm  
Passivated

**Electrical data**

Frequency range DC to 90 GHz

This calibration standard is designed to be part of a Rosenberger RPC-1.35 calibration kit, e.g. P9CK010-150 or P9CK001-150. Please consult the data sheet of one of the mentioned calibration kits for the specified Residual System Data in that application.

**Mechanical data**

Mating cycles ≥ 3000  
 Maximum torque 1.65 Nm  
 Recommended torque 0.90 Nm  
 Gauge 0.003 mm to 0.020 mm

**General standard definitions**

For proper operation a vector network analyzer (VNA) needs a model describing the electrical behaviour of this calibration standard. Best measurement performance can be achieved when this model is data based and the supplied S1P-file is used.

**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 specifications are valid.

<sup>2</sup> This range is underneath and above the operating temperature range, within the short circuit is fully functional and could be used without damage.

RPC-1.35 Short Circuit Plug

**P9S12S-000D3**

**Declaration of calibration options**

**Factory Calibration**

Standard delivery for this calibration standard includes a Factory Calibration. In a Calibration Certificate individual calibration results, traceable to national / international standards are reported. Data based definitions of this calibration standard are delivered as a S1P-file.

**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 5.8 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Marcel Panicke	22.08.17	Lars Ramtke	06.04.22	c00	22-0672	David d'Argent	06.04.22

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