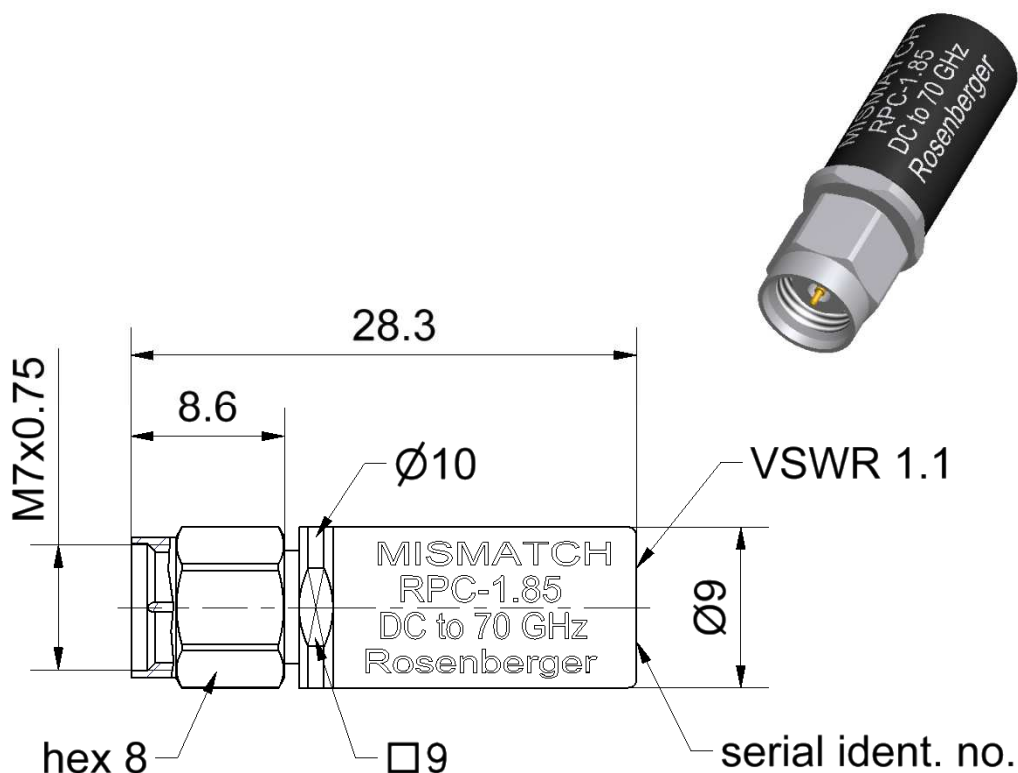


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RF_35/09;14/6.2

Technical Data Sheet		Rosenberger
RPC-1.85	Mismatch Plug	08S150-055S3



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

Interface

According to
Mechanically compatible with

IEC 61169-32
RPC-2.40

Documents

Application note

AN001 "Calibration Services"

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut
Dielectric
Substrate

Material

Beryllium copper
Stainless steel
Stainless steel
PS
Al₂O₃

Plating

Gold, min. 1.27 µm, over nickel
Passivated
Passivated

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RF_35/09;14/6.2

Technical Data Sheet				Rosenberger			
RPC-1.85		Mismatch Plug		08S150-055S3			
Electrical data FrequencyDC to 70 GHz Return loss≥ 1.1 ± 0.07, DC to 40 GHz ≥ 1.1 ± 0.13, 40 GHz to 70 GHz DC Resistance55 Ω ± 0.275 Ω Power handling (at 25 °C, sea level)≤ 0.5 W, derated linearity by 0.005 W/K Mechanical data Mating cycles≥ 500 Maximum torque1.65 Nm Recommended torque0.90 Nm Gauge0.00 mm to 0.03 mm Environmental data Operating temperature range¹+ 20 °C to +26 °C Rated temperature range of use²0 °C to +50 °C Storage temperature range- 40 °C to +85 °C RoHScompliant 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. 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 Recommendation12 months Packing Standard1 pce in box Weight7.2 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
Kerstin Herzog	05.02.08	Markus Müller	20.07.18	d00	18-1027	Marion Striegler	20.07.18
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