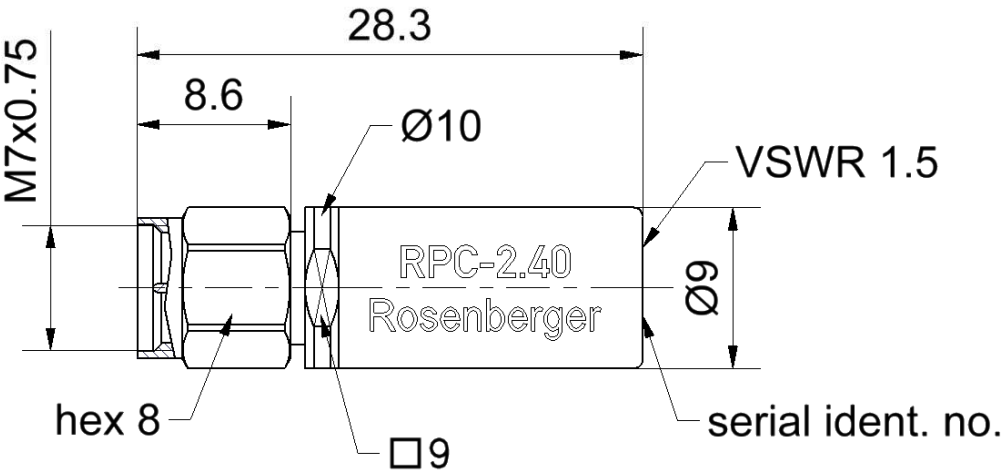


RPC-2.40

Mismatch
Plug

09S150-075S3



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
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-2.40		Mismatch Plug		09S150-075S3			
Electrical data							
Frequency				DC to 50 GHz			
Return loss				≥ 1.5 ± 0.07, DC to 20 GHz			
				≥ 1.5 ± 0.13, 20 GHz to 50 GHz			
DC Resistance				75 Ω ± 0.375 Ω			
Power handling (at 25 °C, sea level)				≤ 0.5 W, derated linearity by 0.005 W/K			
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 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							
Recommendation				12 months			
Packing							
Standard				1 pce in box			
Weight				6.7 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	Markus Müller	20.07.18	c00	18-1027	Marion Striegler	20.07.18
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