
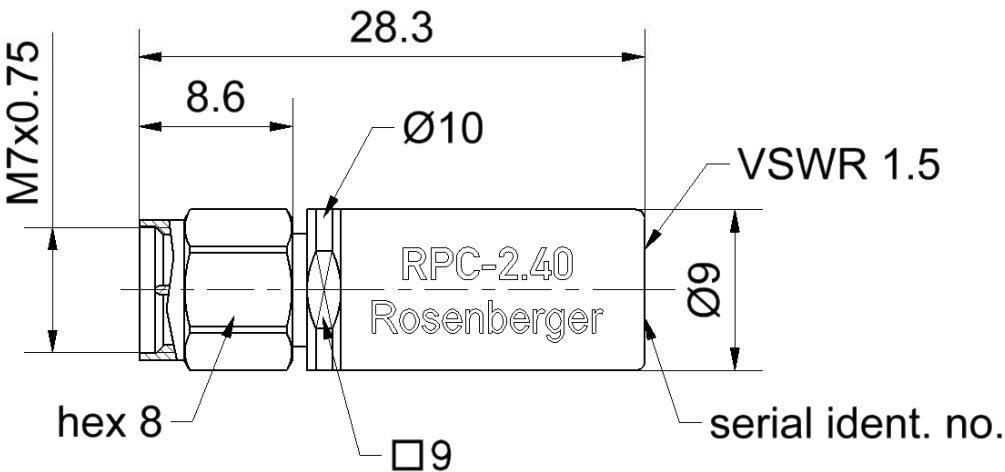


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RF_35/09.14/6.2

Technical Data Sheet		Rosenberger
RPC-2.40	Mismatch Plug	09S150-075S3
<div></div> <div><p>Technical drawing details: The drawing shows a side view of the connector. Dimensions include a total length of 28.3 mm, a distance of 8.6 mm from the front flange to the center of the coupling nut, and an outer diameter of Ø10 mm for the main body. The front flange has a hex 8 size and a thread of M7x0.75. The main body has an outer diameter of Ø9 mm. Labels on the drawing include 'RPC-2.40', 'Rosenberger', 'VSWR 1.5', 'serial ident. no.', and a square symbol with the number 9.</p></div>		
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		
Center contact	Material	Beryllium copper
Outer contact		Stainless steel
Coupling nut		Stainless steel
Dielectric		PS
Substrate		Al ₂ O ₃
	Plating	Gold, min. 1.27 µm, over nickel
		Passivated
		Passivated
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de		Tel. : +49 8684 18-0 Email : info@rosenberger.de
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Technical Data Sheet				Rosenberger			
RPC-2.40		Mismatch Plug		09S150-075S3			
Electrical data							
Frequency				DC to 50 GHz			
Return loss				≥ 1.5 ± 0.09, DC to 20 GHz			
				≥ 1.5 ± 0.15, 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	Lars Ramtke	08.10.19	d00	19-1910	Marion Striegler	08.10.19
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