



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
Dielectric
Substrate

Material

Beryllium copper
Stainless steel
PS
Al₂O₃

Plating

Gold, min. 1.27 µm, over nickel
Passivated

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RF_35/09.14/6.2

Technical Data Sheet				Rosenberger			
RPC-2.40		Mismatch Jack		09K150-055S3			
Electrical data							
Frequency		DC to 50 GHz					
Return loss		≥ 1.1 ± 0.07, DC to 20 GHz					
		≥ 1.1 ± 0.13, 20 GHz to 50 GHz					
DC Resistance		55 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 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		7.2 g/pce					
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