



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		09K150-060S3			
<div>Electrical data</div> <div>FrequencyDC to 50 GHz</div> <div>Return loss≥ 1.2 ± 0.08, DC to 20 GHz ≥ 1.2 ± 0.13, 20 GHz to 50 GHz</div> <div>DC Resistance60 Ω ± 0.30 Ω</div> <div>Power handling (at 25 °C, sea level)≤ 0.5 W, derated linearity by 0.005 W/K</div>							
<div>Mechanical data</div> <div>Mating cycles≥ 500</div> <div>Maximum torque1.65 Nm</div> <div>Recommended torque0.90 Nm</div> <div>Gauge0.00 mm to 0.03 mm</div>							
<div>Environmental data</div> <div>Operating temperature range¹+20 °C to +26 °C</div> <div>Rated temperature range of use²0 °C to +50 °C</div> <div>Storage temperature range- 40 °C to +85 °C</div> <div>RoHScompliant</div>							
<div>¹ Temperature range over which these specification are valid.</div> <div>² This range is underneath and above the operating temperature range, within the mismatch is fully functional and could be used without damage.</div>							
<div>Declaration of calibration options</div> <div>Factory Calibration</div> <div>Standard delivery for this calibration standard includes a Factory Calibration. The Calibration Certificate issued reports individual calibration results, traceable to national / international standards.</div> <div>Accredited Calibration</div> <div>Not available.</div> <div>For further, more detailed information see application note AN001 on the Rosenberger homepage.</div>							
<div>Calibration interval</div> <div>Recommendation12 months</div>							
<div>Packing</div> <div>Standard1 pce in box</div> <div>Weight7.2 g/pce</div>							
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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