



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

Interface

According to
Mechanically compatible with

IEC 61169-35
RPC-3.50 and SMA

Documents

Application note

AN001 "Calibration Services"

Material and plating

Connector parts

Center conductor
Outer conductor
Dielectric
Substrate

Material

CuBe
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-2.92		Mismatch Jack		02K150-075S3			
<div>Electrical data</div> <div>Frequency rangeDC to 40 GHz</div> <div>VSWR1.5 ± 0.04, DC to 4 GHz1.5 ± 0.05, 4 GHz to 18 GHz1.5 ± 0.08, 18 GHz to 40 GHz</div> <div>DC Resistance75 Ω</div> <div>Power handling≤ 0.5 W</div> <div>Mechanical data</div> <div>Mating cycles≥ 500</div> <div>Maximum torque1.70 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>Optional this calibration standard can be delivered with an Accredited Calibration (DAkkS) having the highest confidence in the traceability. The DAkkS Calibration Certificate issued reports individual calibration results in a complex format, traceable to national / international standards. Calibration results are reported in a dense data set file. The uncertainties are smaller than in a Factory Calibration.</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>Weight8.0 g/pce</div>							
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