



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

#### Interface

According to  
Mechanically compatible with

IEC 60169-23  
RPC-2.92 and SMA

#### Documents

Application note

AN001 "Calibration Services"

#### Material and plating

##### Connector parts

Center conductor  
Outer conductor  
Dielectric  
Substrate

##### Material

CuBe  
Stainless steel  
PEEK  
Al<sub>2</sub>O<sub>3</sub>

##### Plating

Gold, min. 1.27 µm, over nickel  
Passivated

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RF\_35/09.14/6.2

Technical Data Sheet				Rosenberger			
RPC-3.50		Mismatch Jack		03K150-060S3			
<div>Electrical data</div> <div>Frequency rangeDC to 26.5 GHz</div> <div>VSWR1.2 ±0.03, DC to 12 GHz</div> <div>1.2 ±0.05, 12 GHz to 26.5 GHz</div> <div>DC Resistance60 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 0.04 mm</div> <div>Environmental data</div> <div>Operating temperature range<sup>1</sup>+20 °C to +26 °C</div> <div>Rated temperature range of use<sup>2</sup>0 °C to +50 °C</div> <div>Storage temperature range-40 °C to +85 °C</div> <div>RoHScompliant</div> <div><sup>1</sup> Temperature range over which these specification are valid.</div> <div><sup>2</sup> 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> <div>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.</div>							
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