



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
Coupling nut
Dielectric
Substrate

Material

CuBe
Stainless steel
Stainless steel
PEEK
Al₂O₃

Plating

Gold, min. 1.27 µm, over nickel
Passivated
Passivated

RF_35/09:14/6:2 Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

Technical Data Sheet				Rosenberger			
RPC-3.50		Mismatch Plug		03S150-060S3			
<div>Electrical data</div> <div>Frequency rangeDC to 26.5 GHz</div> <div>VSWR1.2 ±0.06, DC to 12 GHz</div> <div>1.2 ±0.08, 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 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>Weight8.8 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>							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Herbert Babinger	17.10.14	Lars Ramtke	08.10.19	g00	19-1910	Marion Striegler	08.10.19
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			Page 2 / 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Rosenberger:](#)

[03S150-060S3](#)