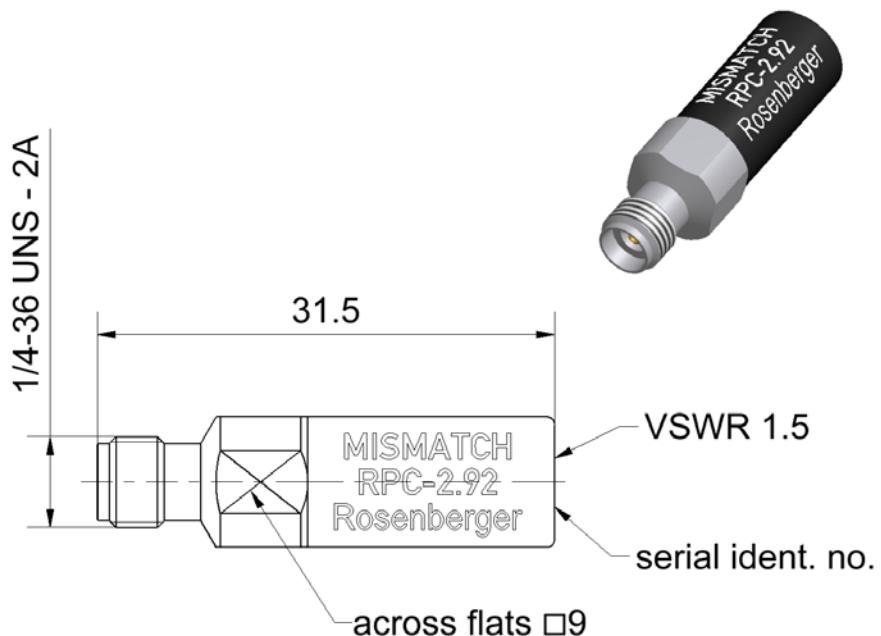


RPC-2.92

Mismatch
Jack

02K150-075S3



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

Interface

According to

IEC 61169-35

Mechanically compatible with

RPC-3.50 and SMA

Documents

Application note

AN001 "Calibration Services"

Material and plating

Connector parts

Center conductor

Material

Outer conductor

CuBe

Dielectric

Stainless steel

Substrate

PS

Al_2O_3

Plating

Gold, min. 1.27 μm , over nickel

Passivated

Technical Data Sheet		Rosenberger					
RPC-2.92	Mismatch Jack	02K150-075S3					
Electrical data							
Frequency range		DC to 40 GHz					
VSWR		1.5 ± 0.04, DC to 4 GHz					
		1.5 ± 0.05, 4 GHz to 18 GHz					
		1.5 ± 0.08, 18 GHz to 40 GHz					
DC Resistance		75 Ω					
Power handling		≤ 0.5 W					
Mechanical data							
Mating cycles		≥ 500					
Maximum torque		1.70 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							
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.							
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		8.0 g/pce					
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.							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Herbert Babinger	09.12.14	Martin Moder	09.12.14	f00	14-1492	Herbert Babinger	09.12.14
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
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