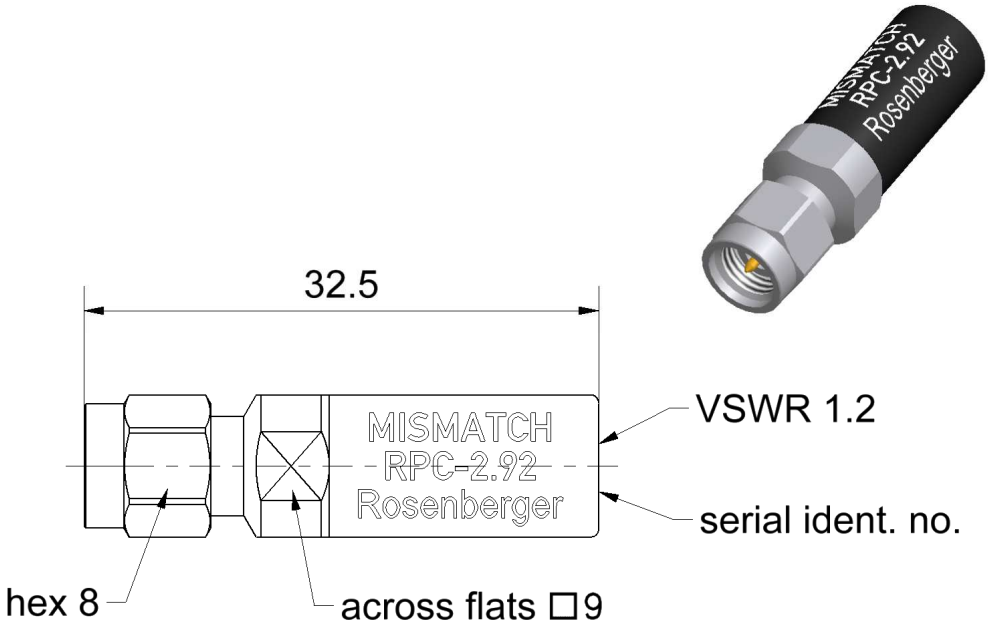
Technical Data Sheet		Rosenberger
RPC-2.92	Mismatch Plug	**02S150-060S3**



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	**Material**	**Plating**
Center conductor	CuBe	Gold, min. 1.27 µm, over nickel
Outer conductor	Stainless steel	Passivated
Coupling nut	Stainless steel	Passivated
Dielectric	PS	
Substrate	Al_2O_3	

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

Technical Data Sheet		Rosenberger
RPC-2.92	Mismatch Plug	**02S150-060S3**

Electrical data

Frequency range	DC to 40 GHz
VSWR	1.2 ± 0.04, DC to 4 GHz 1.2 ± 0.05, 4 GHz to 18 GHz 1.2 ± 0.08, 18 GHz to 40 GHz
DC Resistance	60 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

Weight

8.3 g/pce

Draft	Date	Approved	Date
Herbert Babinger	09.12.14	Martin Moder	18.11.15

Rev.	Engineering change number	Name	Date
g00	15-1421	Maik Knoll	18.11.15

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