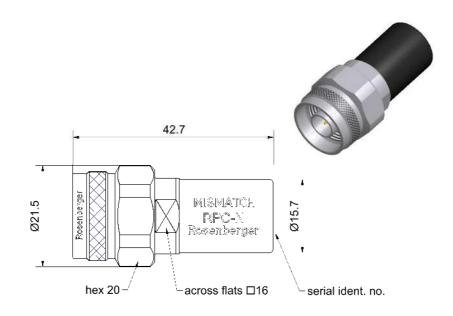
Technical Data Sheet		Rosenberger	
RPC-N	Mismatch Plug	05S150-060S3	



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

1	4		
ın	rer	та	ce
	UGI	ш	

According to IEC 61169-16

Documents

Substrate

Application note AN001 "Calibration Services"

Material and plating Connector parts Material **Plating** Center conductor Gold, min. 1.27 µm, over nickel CuBe

Outer conductor Passivated Stainless steel Coupling nut Stainless steel **Passivated** Dielectric

PPE 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 Page

1/2

Technical Data SheetRosenbergerRPC-NMismatch
Plug05S150-060S3

Electrical data

Frequency range DC to 18 GHz

VSWR 1.2 \pm 0.04, DC to 8 GHz

 1.2 ± 0.05 , 8 GHz to 12.4 GHz 1.2 ± 0.07 , 12.4 GHz to 18 GHz

DC Resistance 60Ω Power handling $\leq 1 W$

Mechanical data

 $\begin{array}{ll} \text{Mating cycles} & \geq 500 \\ \text{Maximum torque} & 1.70 \text{ Nm} \\ \text{Recommended torque} & 1.10 \text{ Nm} \\ \end{array}$

Gauge 5.28 mm to 5.36 mm

Environmental data

Operating temperature range¹ +20 °C to +26 °C Rated temperature range of use² 0 °C to +50 °C Storage temperature range -40 °C to +85 °C

RoHS compliant

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 50.0 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.

Kerstin Herzog 12.07.04 Martin I	Moder 29.01.	01.15	e00	14-1492	Herbert Babinger	29.01.15

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

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.