



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



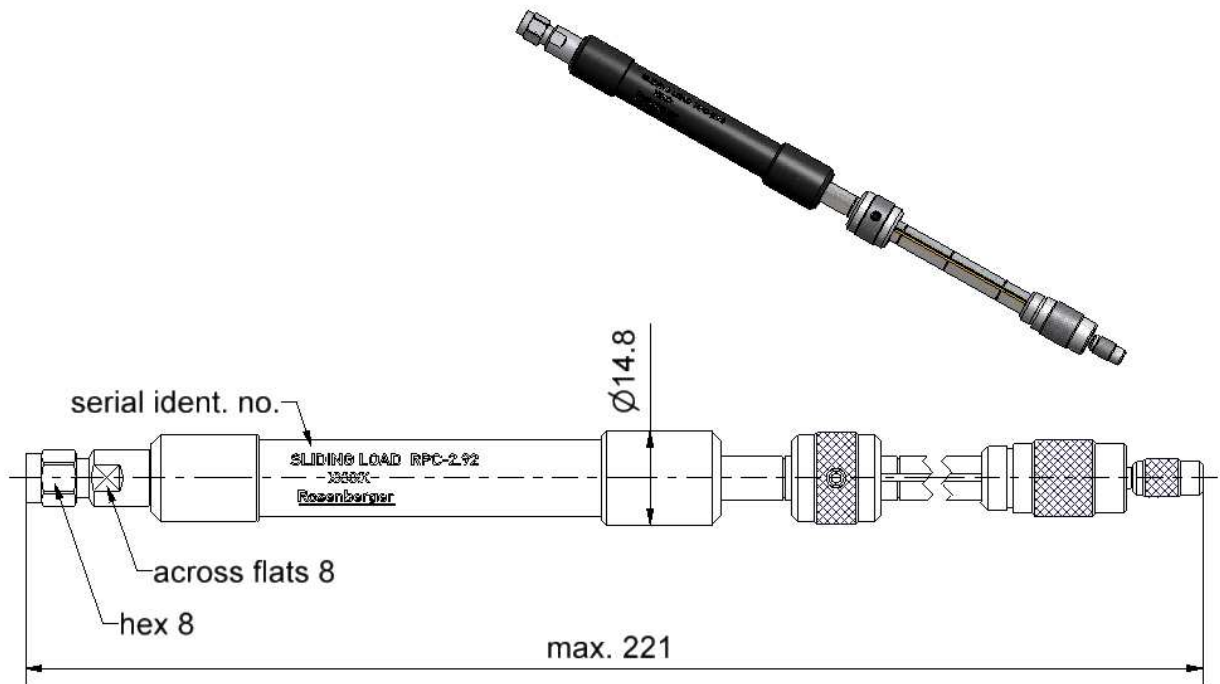
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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

Interface

According to
Mechanically compatible with

IEC 61169-35
RPC-3.50 and SMA

Documents

Application note

AN001 "Calibration Services"

Material and plating

Connector parts

Center conductor
Outer conductor
Coupling nut
Body

Material

CuBe
Brass
Stainless steel
Aluminum

Plating

Gold, min. 1.27 µm, over nickel
Gold, min. 1.27 µm, over nickel
Passivated
black anodized

Electrical data

Frequency range	4 GHz to 40 GHz
Return loss	≥ 28 dB, 4 GHz to 8 GHz ≥ 32 dB, 8 GHz to 40 GHz
Power handling	≤ 0.5 W
Air line accuracy	≥ 45 dB
Repeatability of sliding position	≥ 60 dB, 4 GHz to 20 GHz ≥ 55 dB, 20 GHz to 40 GHz

Mechanical data

Mating cycles	≥ 500
Maximum torque	1.70 Nm
Recommended torque	0.90 Nm
Gauge	adjustable

General standard definitions

For proper operation the vector network analyzer (VNA) needs a model describing the electrical behaviour of this calibration standard. The different models, units, and terms used will depend on the VNA type and they will have to be entered into the VNA. All values are based on typical geometry and plating.

Offset Z_o / Impedance / Z_o	50 Ω
Min. Frequency	4 GHz

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
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¹ Temperature range over which these specification are valid.

² This range is underneath and above the operating temperature range, within the sliding load is fully functional and could be used without damage.

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RF_35/09.14/6.2

Technical Data Sheet				Rosenberger							
RPC-2.92		Sliding Load Plug		02S150-G300							
<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. Model based standard definitions are reported in an Agilent/Keysight, Rohde & Schwarz and Anritsu compatible VNA format.</div> <div>Accredited Calibration</div> <div>Not available.</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>Weight</div> <div>92.4 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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Herbert Babinger		01.12.14		f00		15-1421		Maik Knoll		18.11.15	
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 3 / 3	