



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!



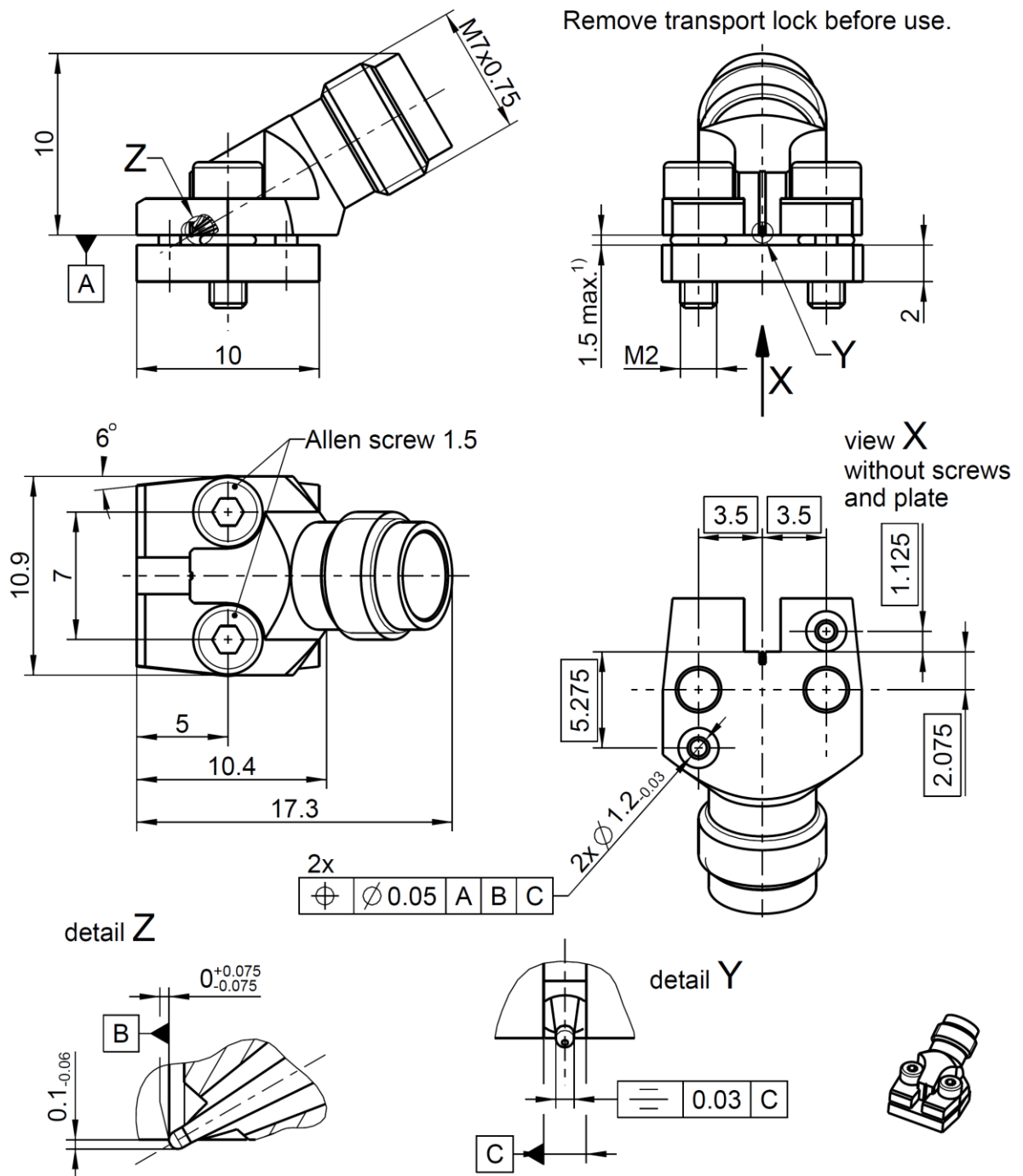
Contact us

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 61169-32
RPC-2.40

Documents

PCB layout

MB 389

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG
RF_35/05.10/6.0

Technical Data Sheet				Rosenberger			
RPC-1.85		SMD Connector jack		08K80F-40ML5			
<div>Material and plating</div> <div><div>Connector parts</div><div>Center contact</div><div>Outer contact PCB side</div><div>Outer contact RPC-1.85 side</div><div>Dielectric</div></div> <div><div>Material</div><div>CuBe</div><div>CuBe or equiv.</div><div>CuBe or equiv.</div><div>PEEK</div></div> <div><div>Plating</div><div>AuroDur®, gold plated</div><div>AuroDur®, gold plated</div><div>AuroDur®, gold plated</div></div>							
<div>Electrical data</div> <div><div>Impedance</div><div>Frequency</div><div>Return loss</div><div>Insertion loss</div><div>Insulation resistance</div><div>Test voltage</div><div>Working voltage</div></div> <div><div>50 Ω</div><div>DC to 70 GHz</div><div>≥ 21 dB, DC to 26.5 GHz</div><div>≥ 19 dB, 26.5 GHz to 40 GHz</div><div>≥ 17 dB, 40 GHz to 60 GHz</div><div>≥ 14 dB, 60 GHz to 70 GHz</div><div>≤ 0.05 x √f(GHz) dB</div><div>≥ 5 GΩ</div><div>500 V rms</div><div>150 V rms</div></div> <div><div>- Return loss in application depends decisive on PCB layout -</div></div>							
<div>Mechanical data</div> <div><div>Mating cycles PCB side</div><div>Mating cycles RPC-1.85 side</div><div>Coupling test torque RPC-1.85</div><div>Recommended torque RPC-1.85</div><div>Recommended torque Allen screw 1.5</div><div>PCB thickness max.¹</div></div> <div><div>≥ 300</div><div>≥ 500</div><div>1.65 Nm</div><div>0.80 Nm to 1.10 Nm</div><div>0.20 Nm to 0.30 Nm</div><div>1.5 mm typical; dimension expandable with longer screws</div></div>							
<div>Environmental data</div> <div><div>Temperature range</div><div>Thermal shock</div><div>Corrosion</div><div>Vibration</div><div>Shock</div><div>Moisture resistance</div><div>Max. soldering temperature</div><div>RoHS</div></div> <div><div>-40°C to +85°C</div><div>IEC 61169-1, Subclause 9.4.4</div><div>IEC 61169-1, Subclause 9.4.6</div><div>IEC 61169-1, Subclause 9.3.3</div><div>IEC 61169-1, Subclause 9.3.14</div><div>IEC 61169-1, Subclause 9.4.3</div><div>N/A (connector is only screwed on, not soldered)</div><div>compliant</div></div>							
<div>Tooling</div> <div><div>Allen wrench 1.5 mm</div></div>							
<div>Weight</div> <div><div>3.6 g/pce</div></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	
Martin Moder		25.08.17		Herbert Babinger		24.04.18	
200		18-0697		Georg Schiele		24.04.18	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de		Page 2 / 2	