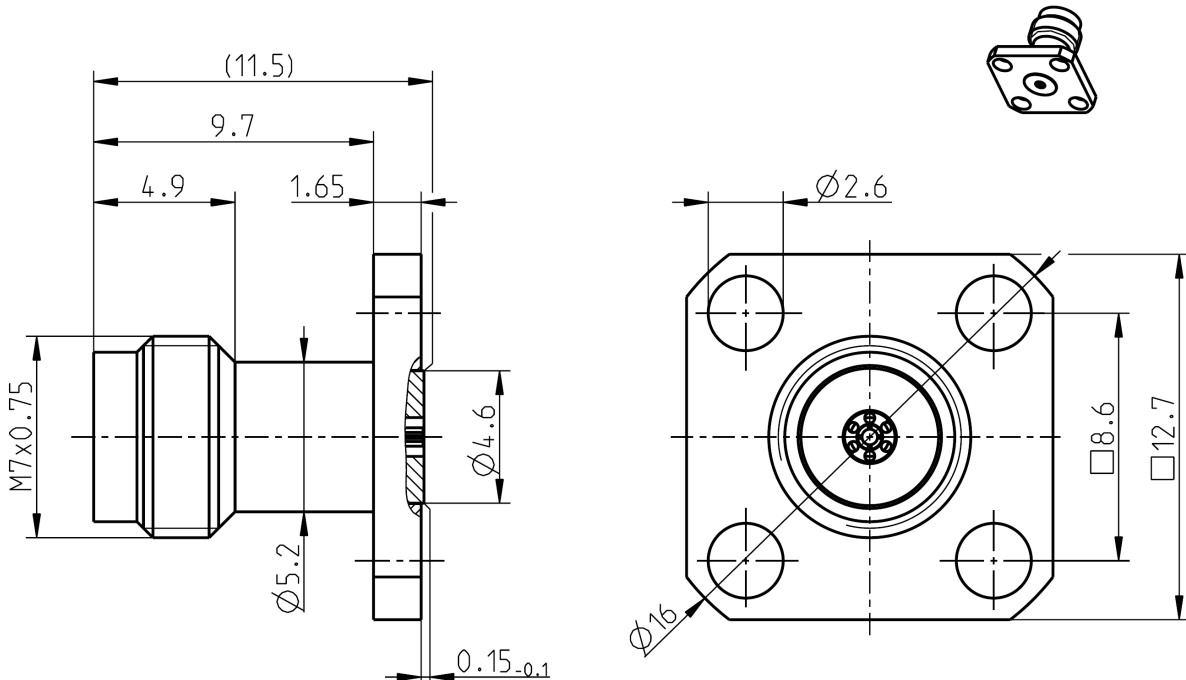


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Technical Data Sheet		Rosenberger																													
RPC-1.85	Launcher jack for glassbead	08K422-800S5																													
 for glass-bead of 0.3 mm pin diameter. All dimensions are in mm; tolerances according to ISO 2768 m-H <table><tr><th colspan="2">Interface</th></tr><tr><td>According to</td><td>IEC 61169-32</td></tr><tr><td>Mechanically compatible with</td><td>RPC-2.40</td></tr><tr><th colspan="2">Documents</th></tr><tr><td>Assembly instruction</td><td>02 E1</td></tr><tr><th colspan="2">Material and plating</th></tr><tr><th colspan="2">Connector parts</th></tr><tr><td>Center contact</td><td>Material</td><td>Plating</td></tr><tr><td>Outer contact RPC-1.85</td><td>CuBe</td><td>AuroDur®, gold plated</td></tr><tr><td>Outer contact hermetical side</td><td>Stainless steel</td><td>Passivated</td></tr><tr><td>Dielectric</td><td>CuBe</td><td>AuroDur®, gold plated</td></tr><tr><td></td><td>PS</td><td></td></tr></table>			Interface		According to	IEC 61169-32	Mechanically compatible with	RPC-2.40	Documents		Assembly instruction	02 E1	Material and plating		Connector parts		Center contact	Material	Plating	Outer contact RPC-1.85	CuBe	AuroDur®, gold plated	Outer contact hermetical side	Stainless steel	Passivated	Dielectric	CuBe	AuroDur®, gold plated		PS	
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Technical Data Sheet				Rosenberger			
RPC-1.85		Launcher jack for glassbead		08K422-800S5			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 70 GHz					
Return loss ¹⁾		≥ 25 dB, DC to 26.5 GHz					
		≥ 19 dB, 26.5 GHz to 50 GHz					
		≥ 16.5 dB, 50 GHz to 70 GHz					
Insertion loss		≤ 0.05 x √f(GHz) dB					
Insulation resistance		≥ 5 GΩ					
Center contact resistance		≤ 4.0 mΩ					
Outer contact resistance		≤ 2.5 mΩ					
Test voltage		500 V rms					
Working voltage		150 V rms					
RF-leakage		≥ 100 dB up to 1 GHz					
<i>1) measured including measuring adaptor 08K421-900S3</i>							
Mechanical data							
Mating cycles		≥ 500					
Center contact captivation		≥ 20 N					
Coupling test torque		1.65 Nm					
Recommended torque		0.80 Nm to 1.10 Nm					
Environmental data							
Temperature range		-40°C to +85°C					
Thermal shock		IEC 61169-1, Subclause 9.4.4					
Corrosion		IEC 61169-1, Subclause 9.4.6					
Vibration		IEC 61169-1, Subclause 9.3.3					
Shock		IEC 61169-1, Subclause 9.3.14					
Moisture resistance		IEC 61169-1, Subclause 9.4.3					
RoHS		compliant					
Tooling							
Measuring adaptor		08K421-900S3					
Soldering fixture		02W001-000					
Tool adaptor		02W002-000					
Suitable glass bead							
Glass bead		02Z101-000					
Weight							
		3.3 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	19.02.07	Armin Maiwälder	09.06.16	d00	16-0881	A. Youmsi Mouafo	09.06.16
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