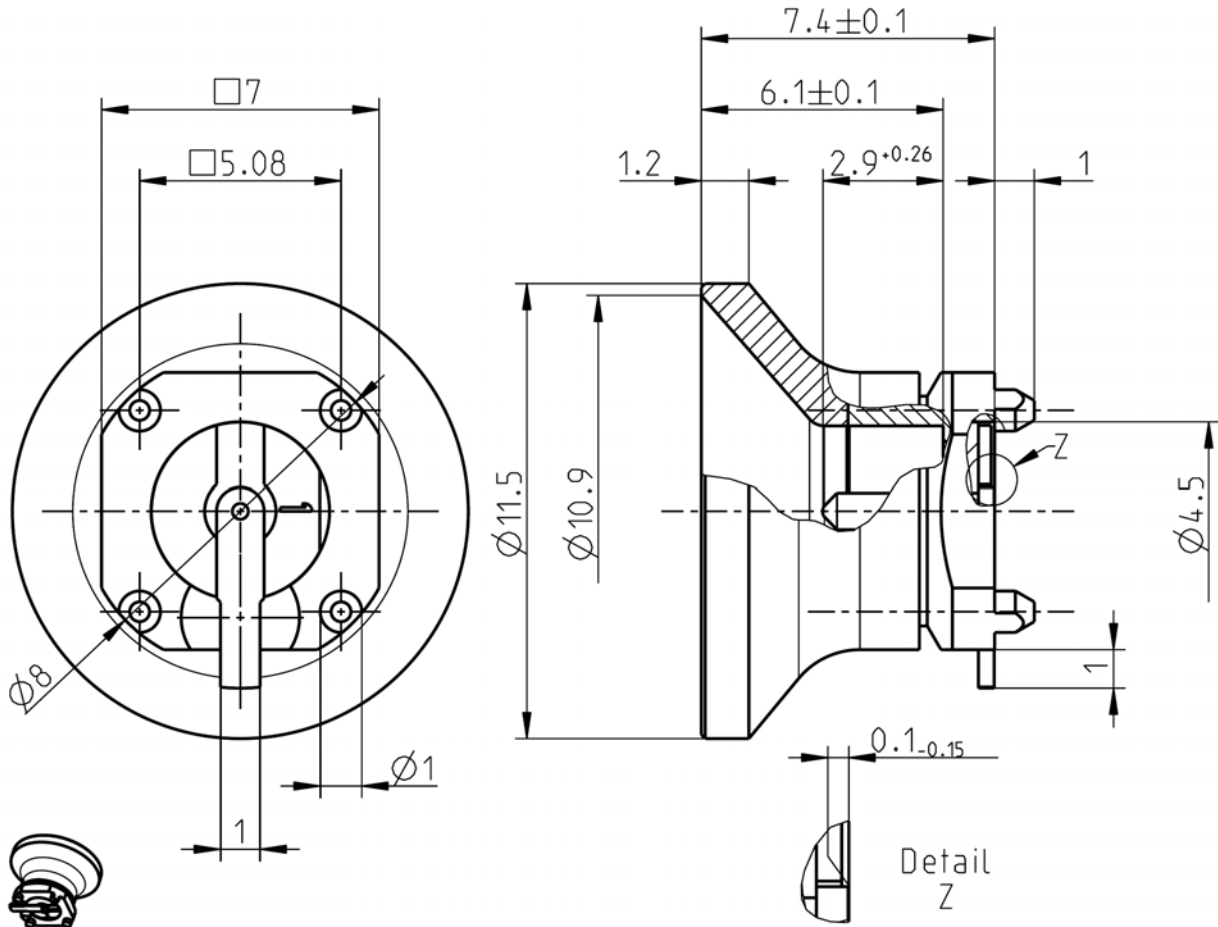


TECHNICAL DATA SHEET		Rosenberger	
P-SMP STRAIGHT PLUG FOR PCB SMOOTH BORE		119S14N-40ML5	
 All dimensions are in mm; tolerances acc. to ISO 2768 m-H Interface According to Rosenberger P-SMP Documents Panel piercing B 120c Material and plating Connector parts Center contact Outer contact Outer contact Dielectric Material Brass Brass Brass PEEK Plating AuroDur®, gold plated AuroDur®, gold plated Nickel, 2.5-5 µm			
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 SHEET				Rosenberger			
P-SMP		STRAIGHT PLUG FOR PCB SMOOTH BORE		119S14N-40ML5			
Electrical data Impedance50 Ω FrequencyDC to 10 GHz Return loss≥ 30 dB, DC to 4 GHz ≥ 25 dB, 4 to 6 GHz Insertion loss≤ 0.03 x √f(GHz) dB Insulation resistance≥ 5 GΩ Center contact resistance≤ 3.0 mΩ Outer contact resistance≤ 2.0 mΩ Test voltage (at sea level)1000 V rms Working voltage (at sea level)480 V rms Power handling (at 20 °C, sea level)≤ 200 W @ 2.2 GHz Intermodulation (3rd order)≥ 160 dBc (2 x 43 dBm) - Connector only, VSWR in application depends decisive on PCB layout							
Mechanical data Mating cycles≥ 1000 Center contact captivation≥ 7 N Engagement force10 N max. Disengagement force2.2 N min.							
Environmental data Temperature range-65°C to +165°C Rapid change of temperatureIEC 60169-1, Sub-clause 16.4 (-65°C to +165°C) VibrationIEC 60068-2-64 random ShockIEC 60068-2-27 (half-sine) High temperature enduranceIEC 60169-1, Sub-clause 18 (+165°C, 1000 hours) Max. soldering temperatureIEC 61760-1, +260°C for 10 sec. RoHScompliant							
Tooling N/A							
Suitable cables N/A							
Weight Weight1,85 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
Huppenberger	13/05/14	B_Huppenberger	15.09.14	a00	14-s318	C_Vitzthum	15.09.14
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