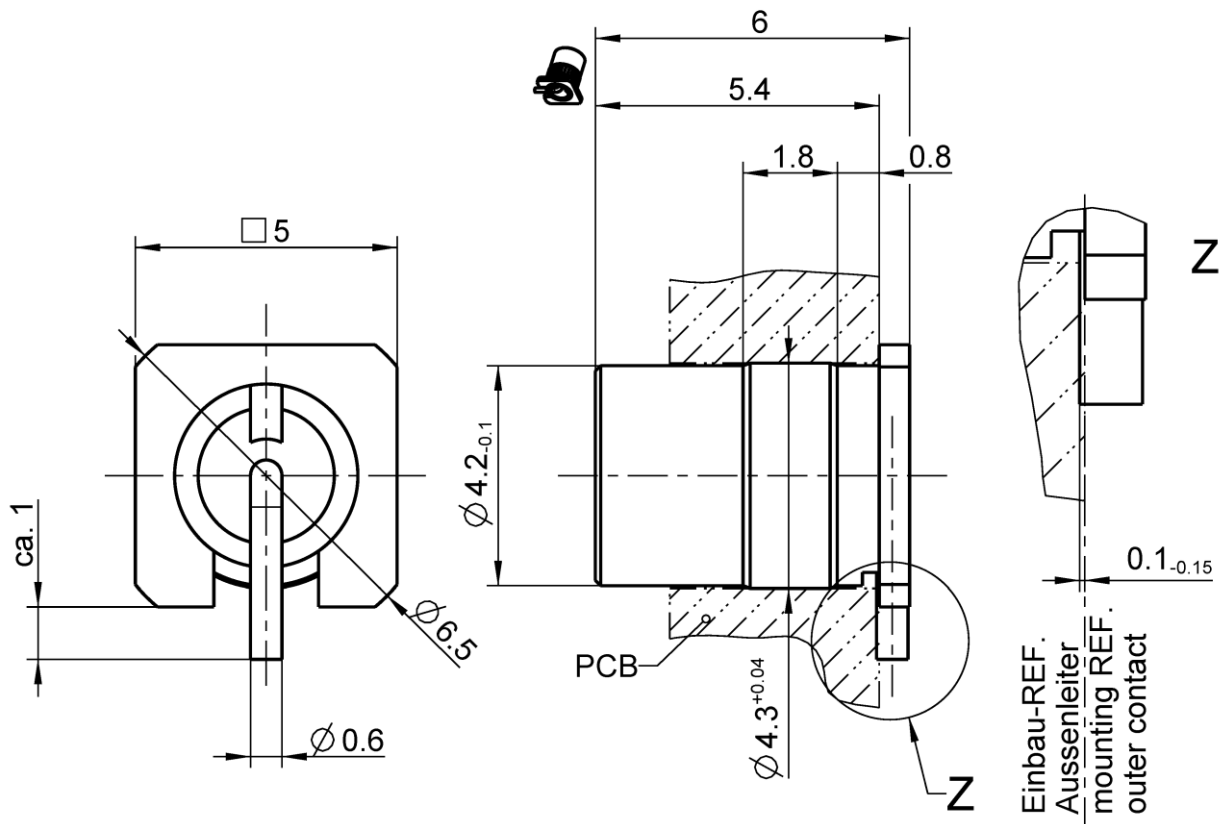




All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to MIL-STD-348

Documents

PCB layout B 229

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

Brass
Brass
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated

Technical Data Sheet				Rosenberger												
SMP		STRAIGHT PLUG PCB LIMITED DETENT		19S10A-40ML5												
Electrical data Impedance50 Ω FrequencyDC to 26.5 GHz Return loss≥ 26 dB @ DC to 6 GHz ≥ 21 dB @ 6 GHz to 12 GHz Insertion loss≤ 0.05 x √f [GHz] dB @ DC to 12 GHz Insulation resistance≥ 5 GΩ Center contact resistance≤ 6.0 mΩ Outer contact resistance≤ 2.0 mΩ Test voltage (at sea level)500 V rms Working voltage (at sea level)335 V rms Contact Current≤ 1.2A DC - VSWR in application depends decisive on PCB layout																
Mechanical data Mating cycles≥ 500 Center contact captivation≥ 7 N Engagement force - Limited detent≤ 45 N Disengagement force - Limited detent≥ 9 N																
Environmental data Temperature range-65 °C to +155 °C Thermal shockMIL-STD-202, Method 107, Condition B VibrationMIL-STD-202, Method 204, Condition B ShockMIL-STD-202, Method 213, Condition A Moisture resistanceMIL-STD-202, Method 106 Max. soldering temperatureIEC 61760-1, +260 °C for 10 sec. RoHScompliant																
Tooling N/A																
Suitable cables N/A																
Weight Weight0.5 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. For the installation of the electrotechnical equipment, particular electrotechnical expertise is required. 																
Draft		Date		Approved		Date		Rev.		Engineering change number		Name		Date		
A. König		05/02/07		Chr. Janßen		27.10.20		b00		20-1927		S. Huber-Siegl		27.10.20		
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	