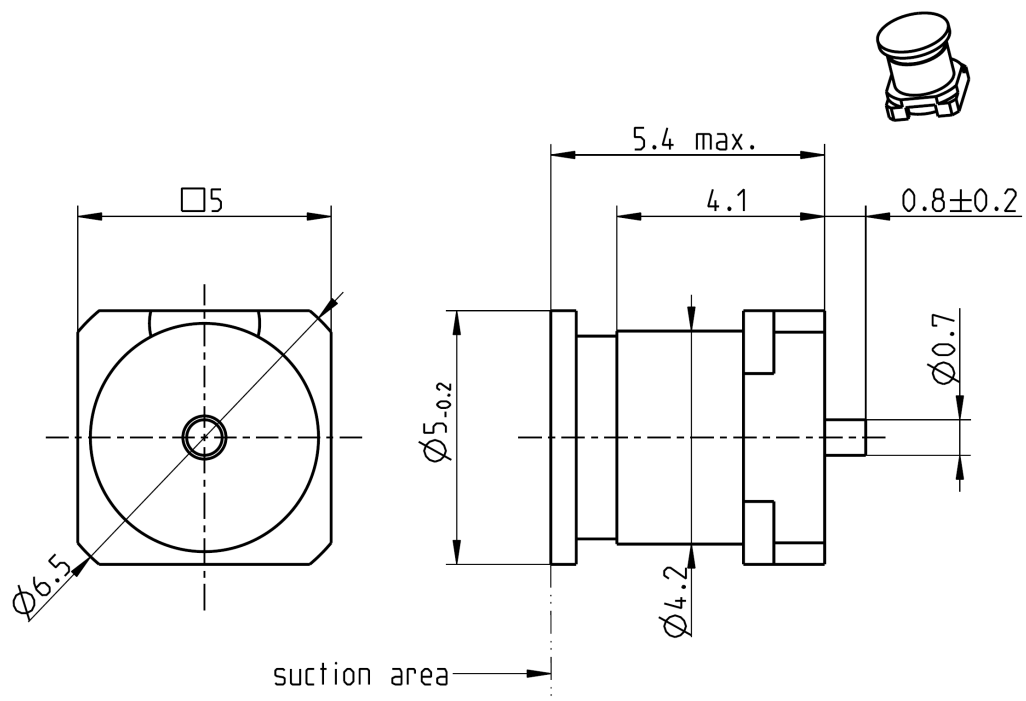




All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to MIL-STD-348

Documents

Foot print B 123
Tape & reel packaging VG54.01M00

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

Brass
Brass
PEEK

Plating

AuroDur, gold plated
AuroDur, gold plated

TECHNICAL DATA SHEET				Rosenberger			
SMP STRAIGHT PLUG PCB LIMITED DETENT				19S106-500L5			
Electrical data							
Impedance				50 Ω			
Frequency				DC to 26.5 GHz			
Return loss				≥ 26 dB, DC to 6 GHz			
				≥ 20 dB, 6 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				500 V rms			
Working voltage				335 V rms			
Contact Current				1.2A DC max.			
- VSWR in application depends decisive on PCB layout -							
Mechanical data							
Mating cycles				≥ 500			
Center contact captivation				≥ 7 N			
Engagement force							
- limited detent				45 N max.			
Disengagement force							
- limited detent				9 N min.			
Environmental data							
Temperature range				-65°C to +155°C			
Thermal shock				MIL-STD-202, Method 107, Condition B			
Vibration				MIL-STD-202, Method 204, Condition B			
Shock				MIL-STD-202, Method 213, Condition A			
Moisture resistance				MIL-STD-202, Method 106			
RoHS				compliant			
Tooling							
				N/A			
Suitable cables							
				N/A			
Weight							
Weight				0.35 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
Inge Mühlauer	17/08/04	J_Krautenbacher	14.07.16	h00	15-1629	I_Wallner	14.07.16
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