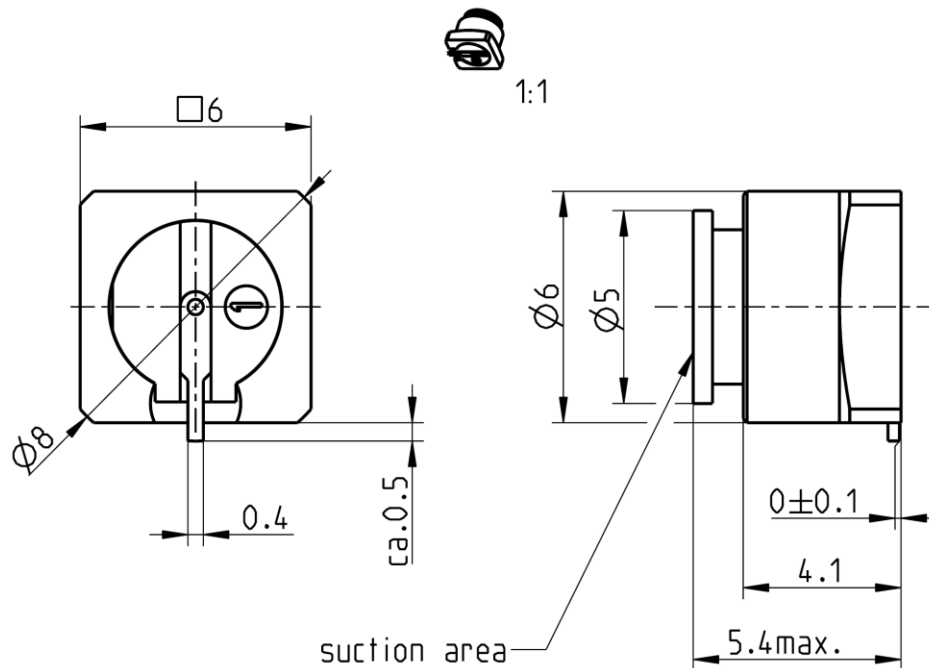




All dimensions are in mm; tolerances acc. to ISO 2768 m-H

Interface

Compatible to MIL-STD-348

Documents

PCB layout B 127
Tape & reel packaging VG05.75000

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

Brass
Brass
LCP

Plating

AuroDur®, gold plated
AuroDur®, gold plated

Electrical data

Technical Data Sheet				Rosenberger			
SMP		STRAIGHT PLUG PCB CATCHERS MIT		19S14K-40ML5			
Impedance		50 Ω					
Frequency		DC to 26.5 GHz					
Return loss		≥ 26 dB @ DC to 6 GHz					
		≥ 21 dB @ 6 GHz to 12 GHz					
Insertion loss		≤ 0.1 x √f [GHz] dB					
Insulation resistance		≥ 5 GΩ					
Center contact resistance		≤ 6 mΩ					
Outer contact resistance		≤ 2 mΩ					
Test voltage (at sea level)		500 V rms					
Working voltage (at sea level)		335 V rms					
Contact Current		≤ 1.2A DC					
- Connector only, Return loss in application depends decisive on PCB layout -							
Mechanical data							
Mating cycles							
if mating part is Smooth bore, Catcher´s Mitt ≥ 1000							
Center contact captivation		≥ 7 N					
Engagement force							
- Smooth bore, Catcher´s Mitt		≤ 9 N					
Disengagement force							
- Smooth bore, Catcher´s Mitt		≥ 2.2 N					
Environmental data							
Temperature range		-65 °C to +155 °C					
Rapid change of temperature		IEC 60068-2-14 (-65 °C to 155 °C, 1h dwell, 50 cycles)					
Vibration		MIL-STD-202, Method 204, Condition B					
Shock		MIL-STD-202, Method 213, Condition A					
Damp heat		IEC 60068-2-78 (40°C, 93% RH, 56d)					
High temperature endurance		IEC 61169-1, Sub-clause 9.6 (+155 °C, 1000 hours)					
Max. soldering temperature		IEC 61760-1, +260 °C for 10 sec.					
RoHS		compliant					
Tooling							
N/A							
Suitable cables							
N/A							
Weight							
Weight		0.7 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
M. Schmid	30/06/08	J_Krautenbacher	07.09.16	e00	16-1508	S. Huber-Siegl	07.09.16
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