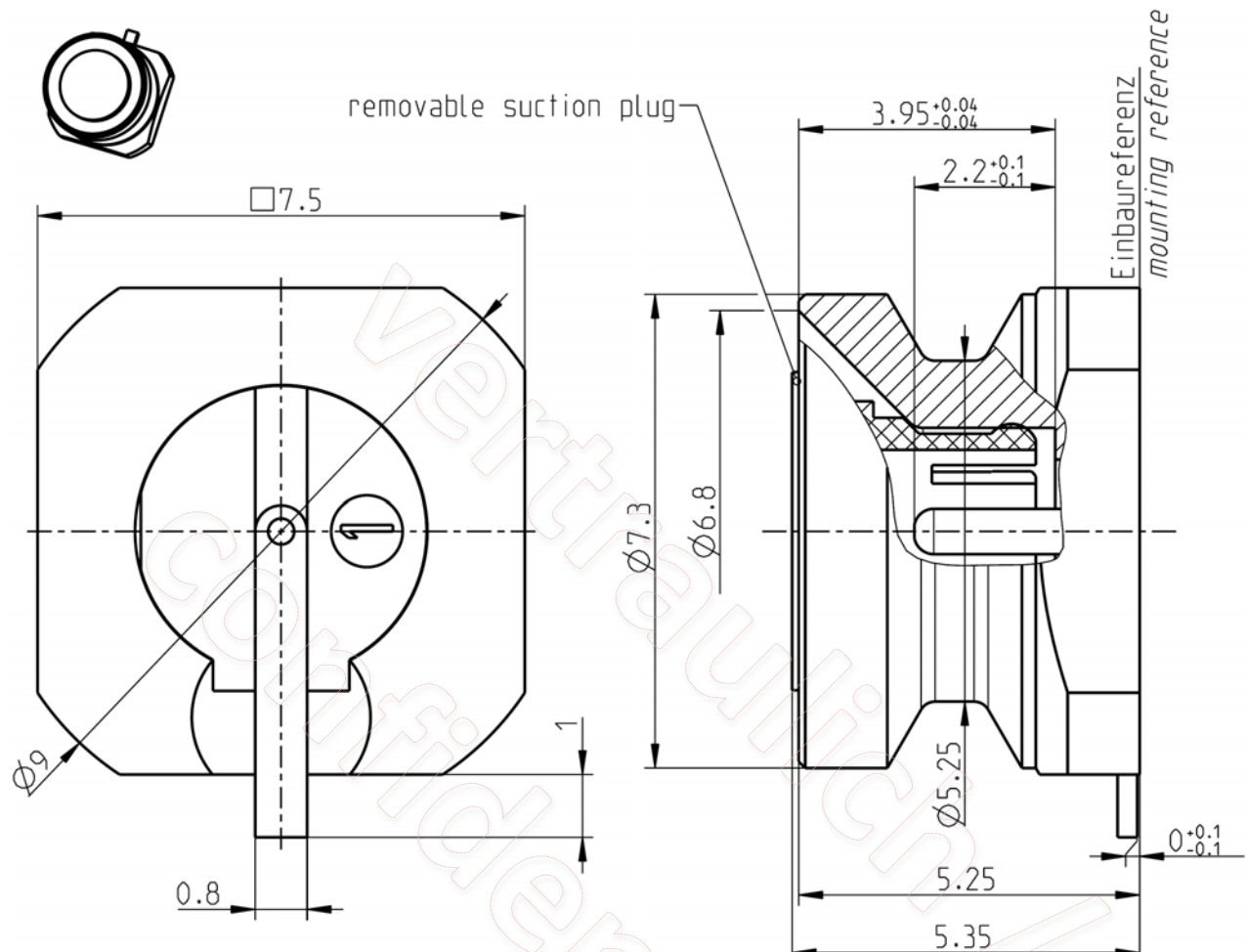




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

Related to
According to

MIL-STD-348A, Fig. 326
Rosenberger 17S000-000

Documents

PCB Layout

B 127a

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

Brass
Brass
LCP

Plating

AuroDur®, gold plated
AuroDur®, gold plated

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RF_35/05.10/6.0

Technical Data Sheet				Rosenberger			
Long-wipe SMP		STRAIGHT PLUG PCB CATCHERS MIT		17S14F-40ML5			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 10 GHz					
Return loss		≥ 28 dB, DC to 3 GHz					
		≥ 23 dB, 3 to 6 GHz					
Insertion loss		≤ 0.05 x √f(GHz) dB					
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 max.					
- VSWR in application depends decisive on PCB layout -							
Mechanical data							
Mating cycles		≥ 1000					
Center contact captivation:		≥ 7 N					
Engagement force							
- catchers mit		9 N max.					
Disengagement force							
- catchers mit		2.2 N min.					
Environmental data							
Temperature range		-65 °C to +155 °C					
Rapid change of temperature (related to SMP)		IEC 60068-2-14 (-65°C to 155°C, 1h dwell, 50 cycles)					
Vibration (related to SMP)		MIL-STD-202, Method 204, Condition B					
Shock (related to SMP)		MIL-STD-202, Method 213, Condition A					
Damp heat (related to SMP)		IEC 60068-2-78 (40°C, 93% RH, 56d)					
High temperature endurance		IEC 60169-1, Sub-clause 18 (+155°C, 250 hours)					
Max. soldering temperature		IEC 61760-1, +260 °C for 10 sec.					
2002/95/EC (RoHS)		compliant					
Tooling							
		N/A					
Suitable cables							
		N/A					
Weight							
Weight		1.2 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
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