



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



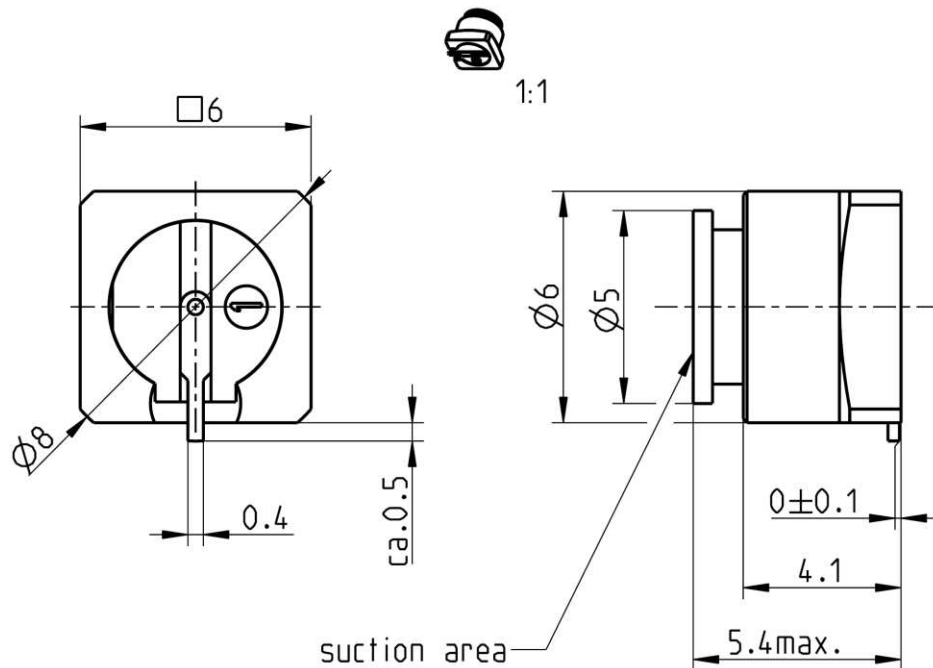
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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
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