



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!



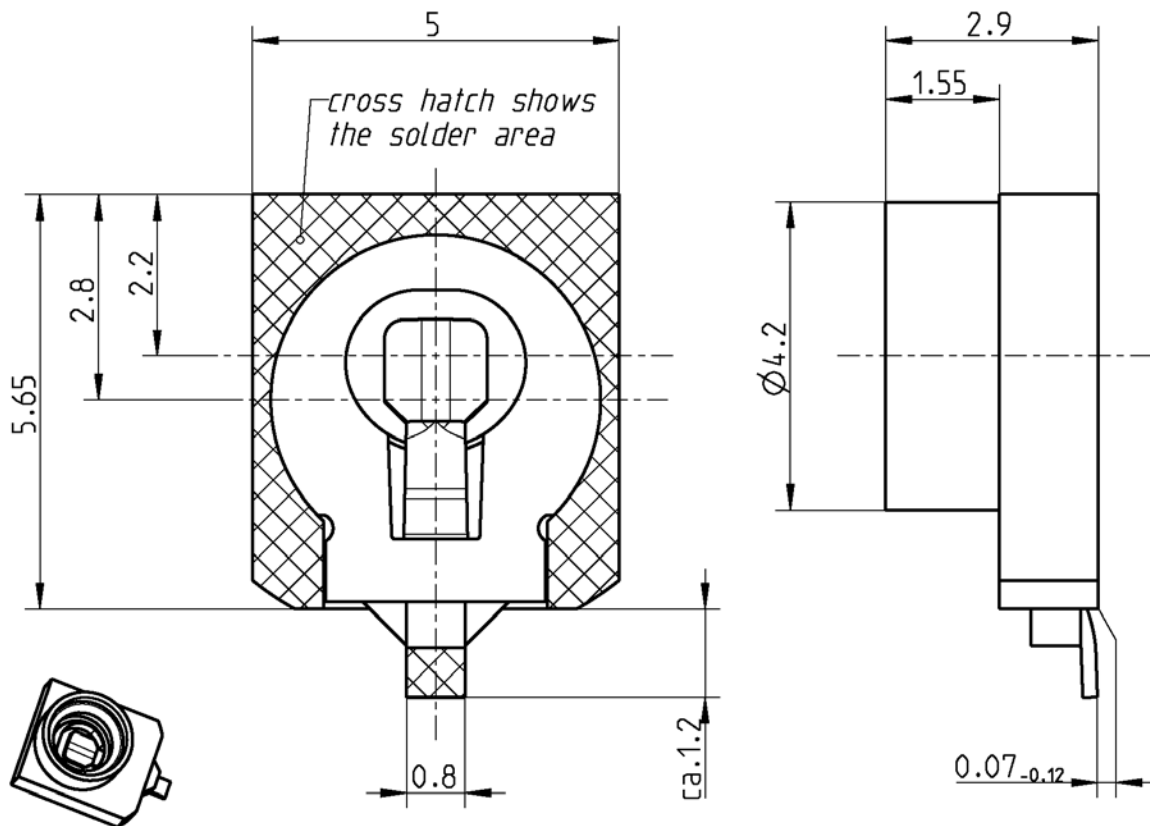
## Contact us

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

#### Interface

According to

N/A

#### Documents

PCB layout

B 191

Tape & reel packaging

VG55.2M500

#### Material and plating

##### Connector parts

Center contact

Outer contact

Dielectric

##### Material

Beryllium copper

Brass

LCP

##### Plating

Gold, min. 0.8  $\mu\text{m}$ , over chemical nickel

Gold, min. 0.15  $\mu\text{m}$ , over chemical nickel

**Electrical data**

Impedance	50 $\Omega$
Frequency	DC to 10 GHz
Return loss	$\geq 25$ dB, DC to 5 GHz $\geq 22$ dB, 5 to 10 GHz
Insertion loss	$\leq 0.1$ dB $\times \sqrt{f}$ [GHz]
Insulation resistance	$\geq 5 \times 10^3$ M $\Omega$
Center contact resistance	$\leq 6$ m $\Omega$
Outer contact resistance	$\leq 2$ m $\Omega$
Test voltage	500 V rms
Working voltage	335 V rms
RF-leakage (valid for screened connection only)	$\leq -80$ dB up to 3 GHz $\leq -65$ dB up to 10 GHz
Contact current	1.2 A DC max.

- Dependent on PCB layout -

**Mechanical data**

Mating cycles	min. 100
Engagement force	45 N max.
Disengagement force	9 N min.

**Environmental data**

Temperature range	-40 °C to +105 °C (completely deflected)
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
Rapid change of temperature	IEC 60169-1 clause 16.4 (-40 °C to +105 °C)
Mixed flowing gas	DIN EN 60068-2-60 meth. 4 (10 d)
Vibration	IEC 61169-1 clause 9.3.3 (10-2000 Hz; 15 g)
Shock	IEC 60169-1 clause 15.8 (50 g 11 ms half-sine)
Damp heat	IEC 60169-1 clause 16.3 (+40 °C 56 d)
2002/95/EC (RoHS)	compliant

**Suitable cables**

N/A

**Weight**

Weight	0.26 g/pce
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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
Andreas Fellner	13/07/05	Sa. Krautenbacher	11.03.14	h00	14-0352	T. Krojer	11.03.14
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