



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

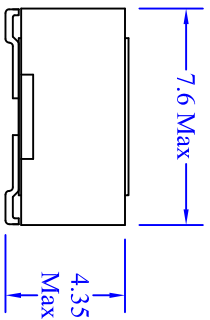
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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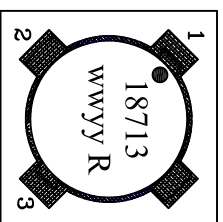
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



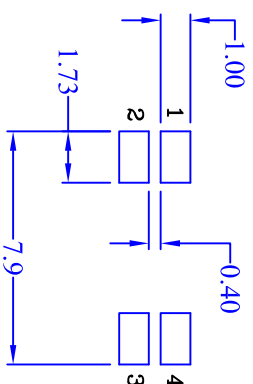
## FRONT VIEW



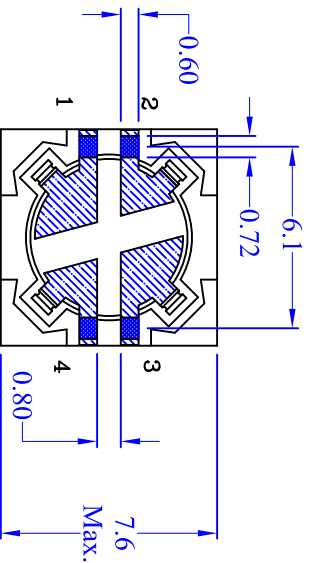
## TOP VIEW



## RECOMMENDED PCB LAYOUT



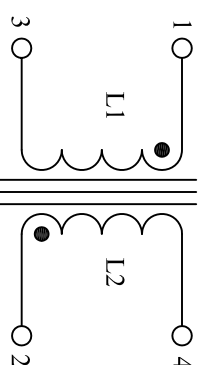
## BOTTOM VIEW



## ELECTRICAL CHARACTERISTICS

OCL @ 100KHz, 0.25Vrms & 0.0ADC. Pins (1 - 3) = 7.9 - 11.9 uH.  
 OCL @ 100KHz, 0.250Vrms & 3.17 ADC. Pins (1 - 3) = 5.3 uH min.  
 SCL @ 100KHz, 0.250Vrms & 0.0 ADC. Pins (1 - 3) with (3 - 4) shorted = 470 nH Max.  
 DCR @ 20°C, pins (1 - 3) = 0.0978 Ω max.  
 DCR @ 20°C, pins (2 - 4) = 0.498 Ω max.  
 Turns ratio: pins (1 - 3):(2 - 4). 1.0:2.0 ± 3%.  
 Hipot @ 500VAC for 1 second, pin 1 to pin 4.

## SCHEMATIC



## Notes:

- 1) All Dimensions are in millimeters unless otherwise specified.
- 2) All soldering surfaces to be coplanar within 0.10 millimeters.
- 3)Marking:  
 "18713" ( Last 5 digits of part number); Date Code: wwww= week/year; R = Latest Print Revision
- 4) PCB tolerances are +/- 0.2mm unless stated otherwise.
- 5) RoHS compliant.
- 6) Two layers of mylar tape is placed around the core before the tabs are bent.

## Cooper Electronic Technologies

1225 Broken Sound Parkway NW Suite F, Boca Raton, FL 33487

Transformer

1-2

10 uH @ 3.17A peak

Shielded Drum Core, SMT, 4.35mm HT

Size Drawing Number: CTX02-18713-R

A Revision Level: X1 Sheet 3 of 6