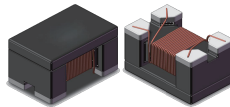


REACH & RoHS  
COMPLIANT

1 Features And Benefits

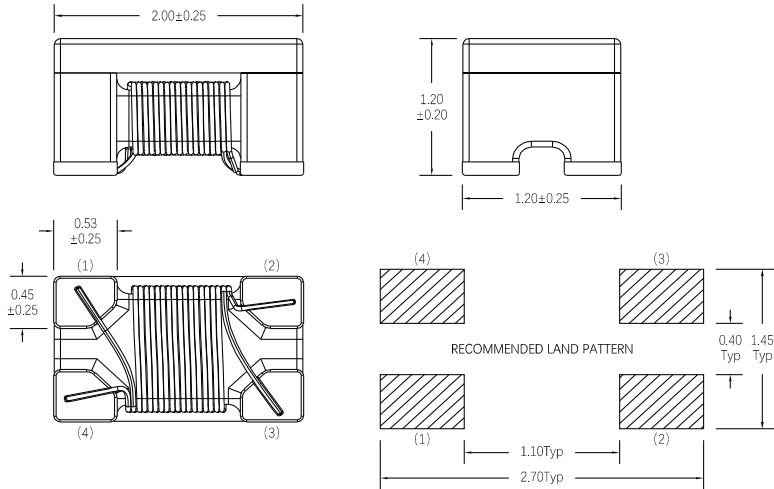
- High common mode impedance at high frequency effects excellent noise suppression performance
- 90Ω~1200Ω are optional for different noise level and signal frequency
- Suppression of Common Mode Noise Without Attenuating The Signal
- High-Quality Product That Uses Auto Winding
- Operating temperature -40℃ to +105℃
- Available in 2012(0805) Size
- RoHS Compliant



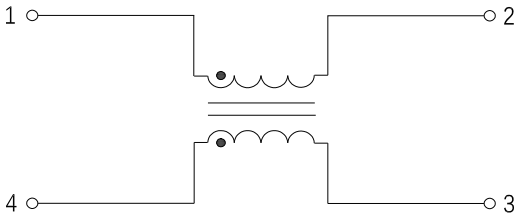
2 Electrical Specifications @ 25℃

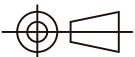
| Part Number      | Common Mode Impedance (Ω typ) @100MHZ | DC Resistance (Ω MAX) | Rated Voltage (Vdc) | Rated Current (mA MAX) | Withstanding Voltage (Vdc) | Insulation Resistance (MΩ MIN) |
|------------------|---------------------------------------|-----------------------|---------------------|------------------------|----------------------------|--------------------------------|
| WHLC-2012A-900T0 | 90                                    | 0.35                  | 50                  | 300                    | 125                        | 10                             |
| WHLC-2012A-181T0 | 180                                   | 0.35                  | 50                  | 300                    | 125                        | 10                             |
| WHLC-2012A-261T0 | 260                                   | 0.4                   | 50                  | 300                    | 125                        | 10                             |
| WHLC-2012A-361T1 | 360                                   | 0.45                  | 50                  | 300                    | 125                        | 10                             |
| WHLC-2012A-381T0 | 380                                   | 0.45                  | 50                  | 300                    | 125                        | 10                             |
| WHLC-2012A-801T0 | 800                                   | 0.88                  | 50                  | 300                    | 125                        | 10                             |
| WHLC-2012A-102T0 | 1000                                  | 1.3                   | 50                  | 300                    | 125                        | 10                             |
| WHLC-2012A-122T0 | 1200                                  | 1.5                   | 50                  | 300                    | 125                        | 10                             |

3 Dimensions (mm)& recommend layout

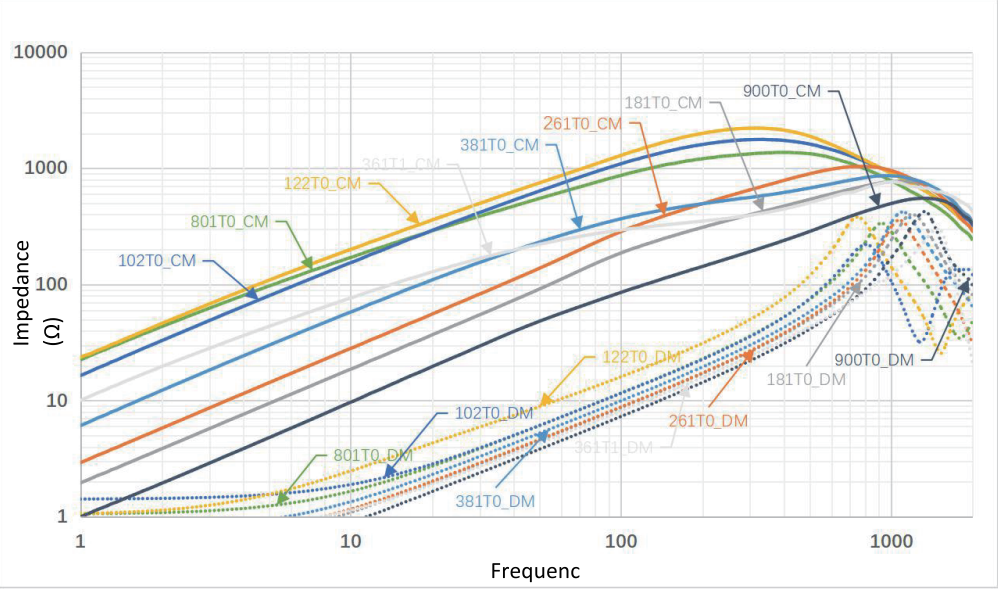


4 Schematics

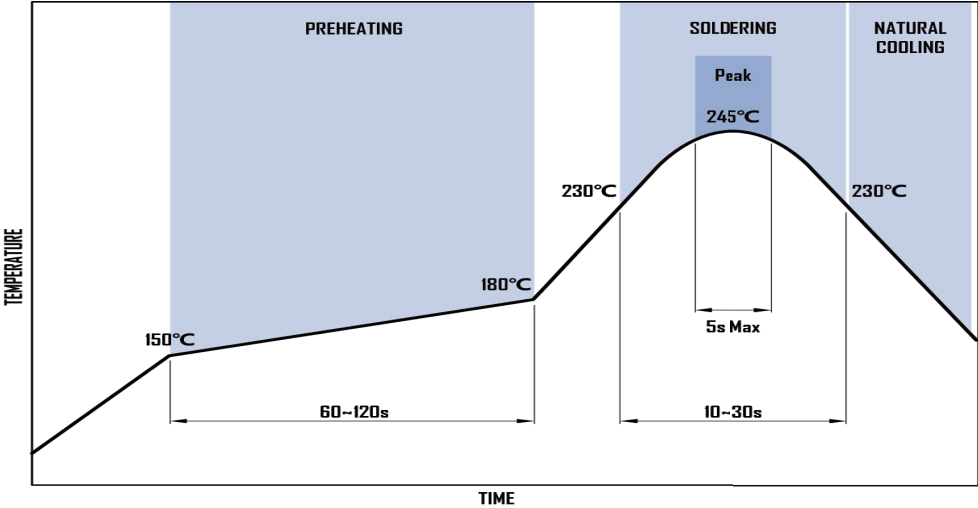


|                                                                                                                                         |                                                             |                               |              |                                                                                       |                                        |                         |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------|--------------|---------------------------------------------------------------------------------------|----------------------------------------|-------------------------|-------------------------------|
|  苏州沃虎电子科技有限公司<br>Su Zhou Voohu Electronic Tech.Co.Ltd |                                                             | TITLE:<br>Common Mode Choke   | SIZE<br>A4   | UNITS<br>MM[INCH]                                                                     | GENERAL TOLERANCES<br>UNLESS SPECIFIED |                         | APPROVED BY:<br>Geoffrey.Song |
|                                                                                                                                         |                                                             | PART NO.:<br>WHLC-2012A-801T0 | SACLE<br>1:1 | REV<br>A0                                                                             | x±0.35<br>.x±0.30                      | x°±3.0°<br>.x°±2.0°     | CHECKED BY:<br>Elvis.Song     |
| TEL: +86 400 1048 018                                                                                                                   | WEB: <a href="http://WWW.WOHU-TEK.COM">WWW.WOHU-TEK.COM</a> | REMARK:                       | SHEET<br>1/3 |  | .xx±0.25<br>.xxx±0.10                  | .xx°±1.5°<br>.xxx°±1.0° | DESIGND BY:<br>Sunny.Xu       |

5 Impedance VS. Frequency



6 Recommended Reflow Profile



**VOOHU** 苏州沃虎电子科技有限公司  
Su Zhou Voohu Electronic Tech.Co.Ltd

TEL: +86 400 1048 018

WEB: [WWW.WOHU-TEK.COM](http://WWW.WOHU-TEK.COM)

TITLE:  
Common Mode Choke

PART NO.:  
WHLC-2012A-801T0

REMARK:

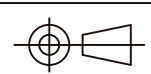
SIZE  
A4

SACLE  
1:1

SHEET  
2/3

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

|                 |                            |
|-----------------|----------------------------|
| $x \pm 0.35$    | $x^\circ \pm 3.0^\circ$    |
| $.x \pm 0.30$   | $.x^\circ \pm 2.0^\circ$   |
| $.xx \pm 0.25$  | $.xx^\circ \pm 1.5^\circ$  |
| $.xxx \pm 0.10$ | $.xxx^\circ \pm 1.0^\circ$ |

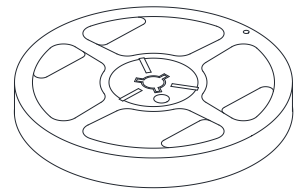
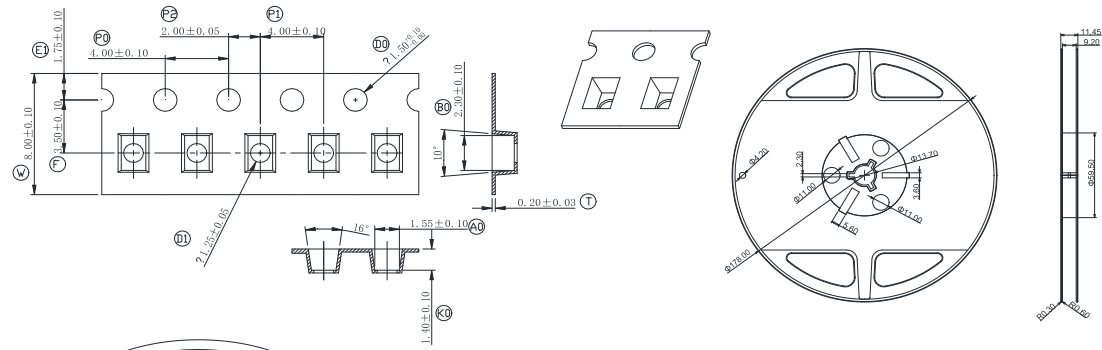
APPROVED BY:  
Geoffrey.Song

CHECKED BY:  
Elvis.Song

DESIGND BY:  
Sunny.Xu

REACH & RoHS  
COMPLIANT

7 Packaging specification



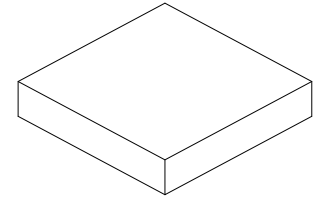
Five Reel



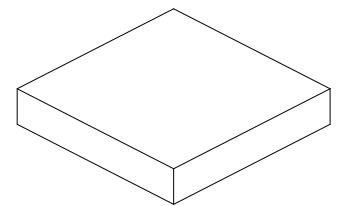
One Cartridge



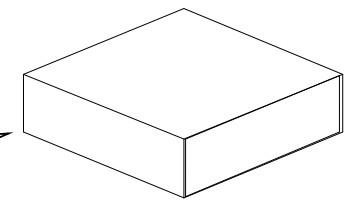
Four Cartridge



One Inner Carton

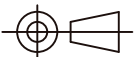


Four Inner Carton



One Export Carton

Package Quantity:  
One Reel=2K Pcs  
One Cartridge=2K\*5=10K Pcs  
One Inner Carton=10K\*4=40K Pcs  
One Export Carton=40K\*4=160K Pcs

|   |                                                                                                                                         |                       |                               |              |                                                                                       |                                        |                         |                               |
|---|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|--------------|---------------------------------------------------------------------------------------|----------------------------------------|-------------------------|-------------------------------|
| A |  苏州沃虎电子科技有限公司<br>Su Zhou Voohu Electronic Tech.Co.Ltd |                       | TITLE:<br>Common Mode Choke   | SIZE<br>A4   | UNITS<br>MM[INCH]                                                                     | GENERAL TOLERANCES<br>UNLESS SPECIFIED |                         | APPROVED BY:<br>Geoffrey.Song |
|   |                                                                                                                                         |                       | PART NO.:<br>WHLC-2012A-801T0 | SACLE<br>1:1 | REV<br>A0                                                                             | x±0.35<br>.x±0.30                      | x°±3.0°<br>.x°±2.0°     | CHECKED BY:<br>Elvis.Song     |
|   | TEL: +86 400 1048 018                                                                                                                   | WEB: WWW.WOHU-TEK.COM | REMARK:                       | SHEET<br>3/3 |  | .xx±0.25<br>.xxx±0.10                  | .xx°±1.5°<br>.xxx°±1.0° | DESIGND BY:<br>Sunny.Xu       |