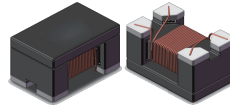


REACH & RoHS  
COMPLIANT

### 1 Features And Benefits

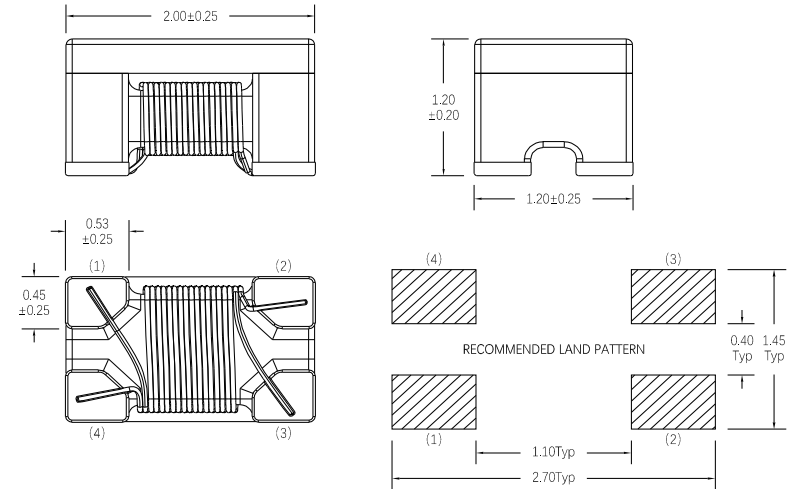
- High common mode impedance at high frequency effects excellent noise suppression performance
- 90Ω~1200Ω are optional for different noise level and signal frequency
- Suppression of Common Mode Noise Without Attenuating The Signal
- High-Quality Product That Uses Auto Winding
- Operating temperature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



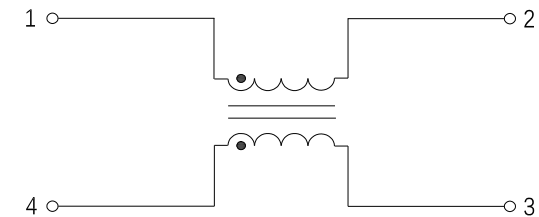
### 2 Electrical Specifications @ 25℃

| 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



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Su Zhou Voohu Electronic Tech.Co.Ltd

TITLE:  
Common Mode Choke

SIZE  
A4

UNITS  
MM[INCH]

GENERAL TOLERANCES  
UNLESS SPECIFIED

APPROVED BY:  
Geoffrey.Song

PART NO.:  
WHLC-2012A-102T0

SACLE  
1:1

REV  
A0

x±0.35  
.x±0.30

x°±3.0°  
.x°±2.0°

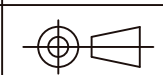
CHECKED BY:  
Elvis.Song

TEL: +86 400 1048 018

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

REMARK:

SHEET  
1/3



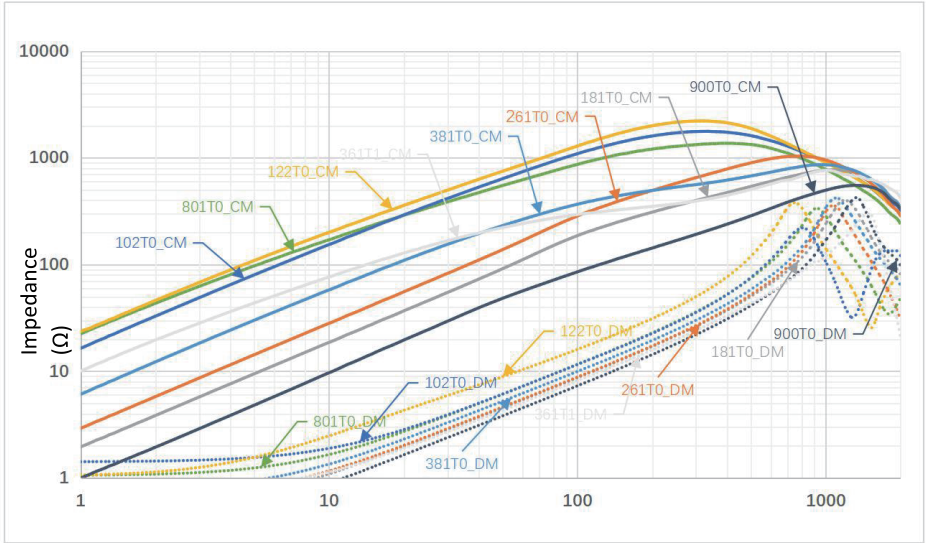
.xx±0.25  
.xxx±0.10

.xx°±1.5°  
.xxx°±1.0°

DESIGND BY:  
Sunny.Xu

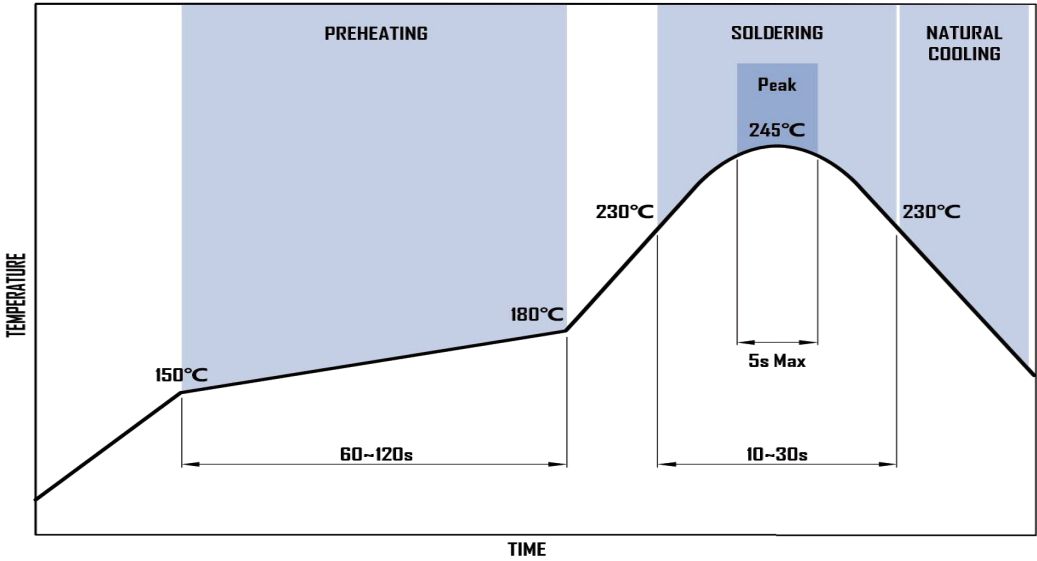
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5 Impedance VS. Frequency



Frequenc  
y(MHz)

6 Recommended Reflow Profile



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TITLE:  
Common Mode Choke

PART NO.:  
WHLC-2012A-102T0

REMARK:

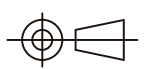
SIZE  
A4

SACLE  
1:1

SHEET  
2/3

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

|           |            |
|-----------|------------|
| x±0.35    | x°±3.0°    |
| .x±0.30   | .x°±2.0°   |
| .xx±0.25  | .xx°±1.5°  |
| .xxx±0.10 | .xxx°±1.0° |

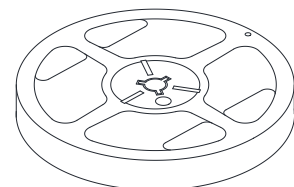
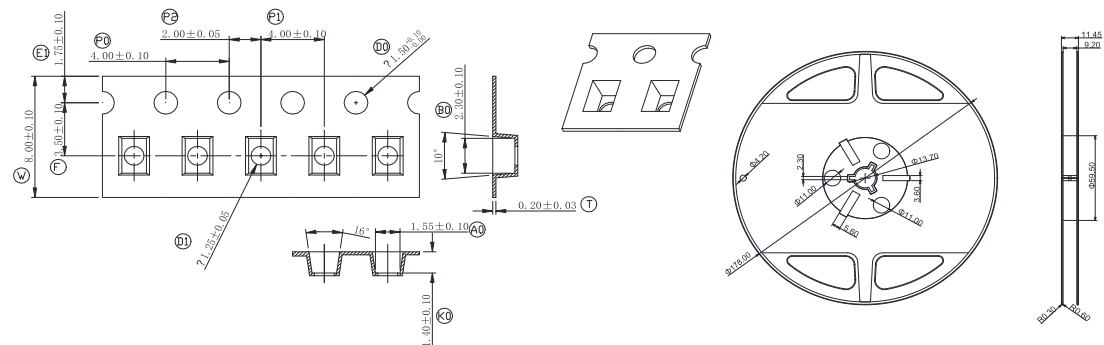
APPROVED BY:  
Geoffrey.Song

CHECKED BY:  
Elvis.Song

DESIGND BY:  
Sunny.Xu

REACH & RoHS  
COMPLIANT

## 7 Packaging specification



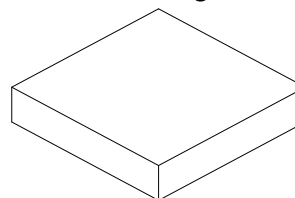
Five Reel



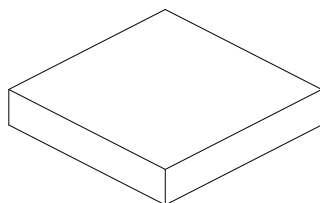
One Cartridge



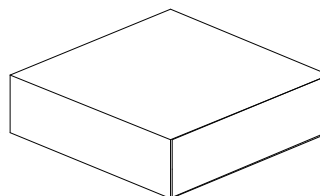
Four Cartridge



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

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SIZE  
A4

UNITS  
MM[INCH]

GENERAL TOLERANCES  
UNLESS SPECIFIED

APPROVED BY:  
Geoffrey.Song

PART NO.:  
WHLC-2012A-102T0

SACLE  
1:1

REV  
A0

$x \pm 0.35$   
 $.x \pm 0.30$   
 $.xx \pm 0.25$   
 $.xxx \pm 0.10$

$x^\circ \pm 3.0^\circ$   
 $.x^\circ \pm 2.0^\circ$   
 $.xx^\circ \pm 1.5^\circ$   
 $.xxx^\circ \pm 1.0^\circ$

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DESIGND BY:  
Sunny.Xu

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

REMARK:

SHEET  
3/3

