

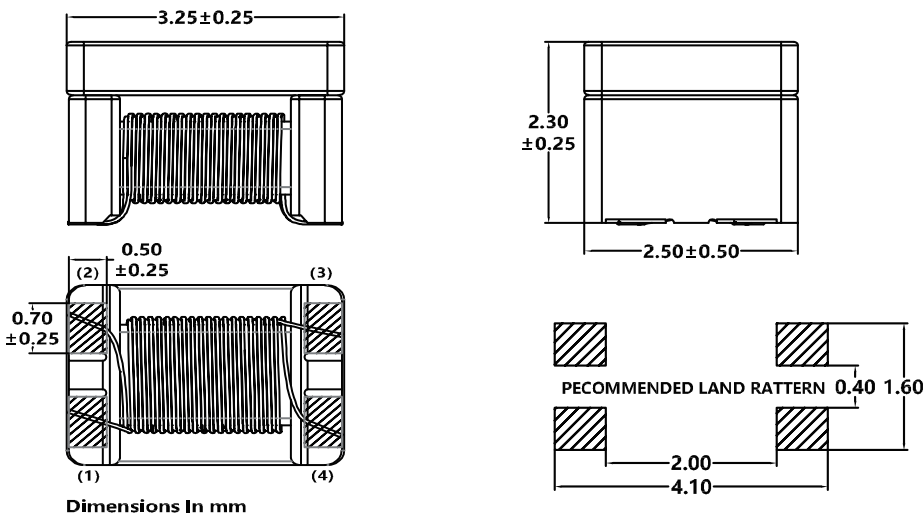
## 1 Features And Benefits

- Suppression of common mode noise without attenuating the signal
- Supports CAN-FD, CAN-Bus, A2B and other IVN high speed differential signal lines (LVDS) for Automotive and Industrial use including PLC data lines
- Passes IEC6228-3 CLASS 3 performance and CiA 110
- High Common Mode Impedance at 10MHz
- Meets AEC-Q200 Requirement
- R&D and Factory IATF-16949 Certified
- Operating temperature -55℃ to +150℃
- Rated Voltage 80v Max

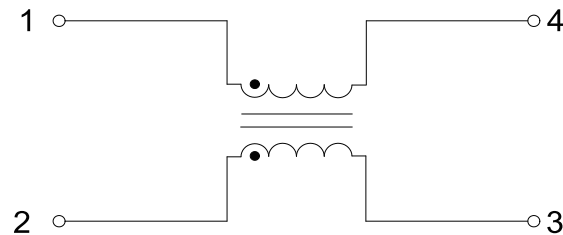
## 2 Electrical Specifications @ 25℃

| Part Number      | Common Mode Impedance (10MHZ) |      | Inductance (uH)<br>+50/-30% | RDC (Ω)Max | Leakage Inductance (nH) typ | Isolation Resistance (MΩ) Min | Rated Current (mA) Max | Rated Voltage (V) Max |
|------------------|-------------------------------|------|-----------------------------|------------|-----------------------------|-------------------------------|------------------------|-----------------------|
|                  | ΩMin                          | Ωtyp |                             |            |                             |                               |                        |                       |
| WHAC-3225B-101U0 | 2200                          | 5100 | 100                         | 1.5        | 180                         | 10                            | 150                    | 80                    |

## 3 Dimensions (mm)& recommend layout



## 4 Schematics



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

TITLE:  
Common Mode Choke

PART NO.:  
WHAC-3225B-101U0

REMARK:

SIZE  
A4

SACLE  
1:1

SHEET  
1/3

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

x±0.35  
.x±0.30  
.xx±0.25  
.xxx±0.10

APPROVED BY:  
Geoffrey.Song

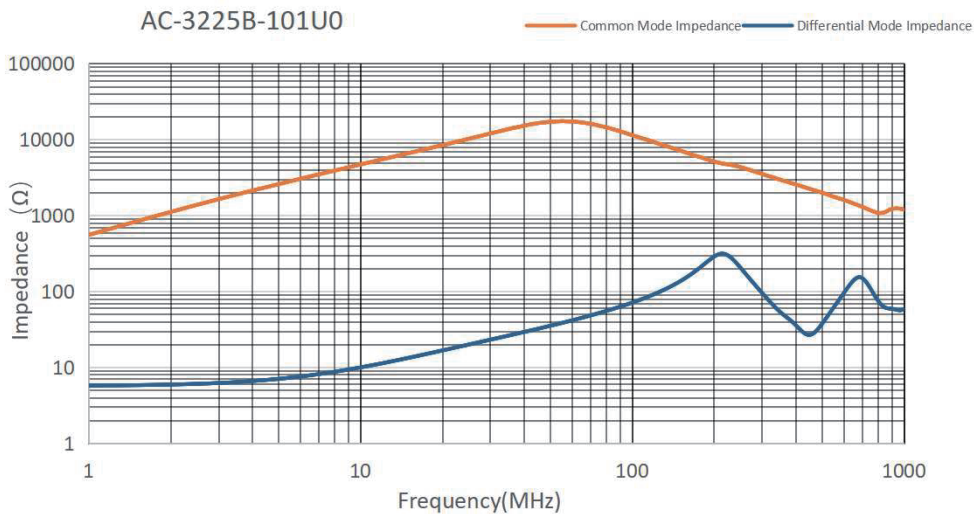
CHECKED BY:  
Elvis.Song

DESIGND BY:  
Sunny.Xu

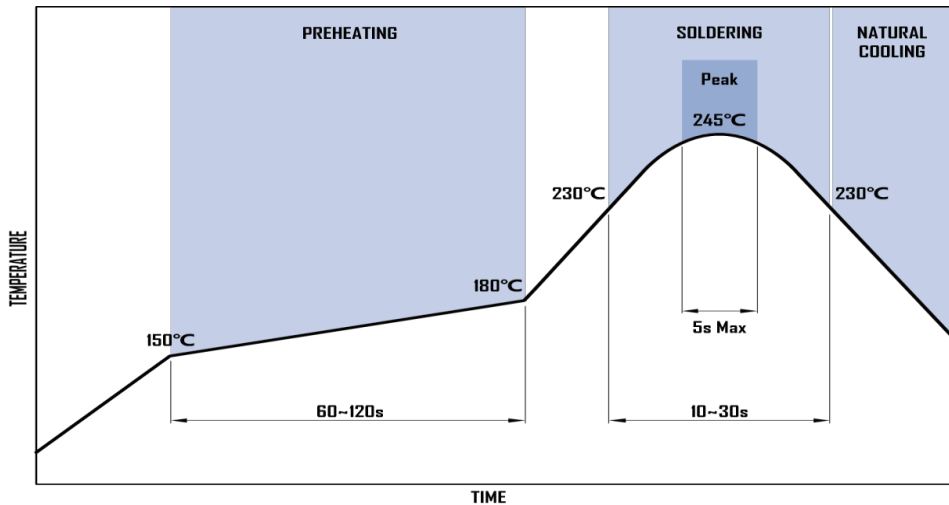
TEL: +86 400 1048 018

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

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

TITLE:  
Common Mode Choke

SIZE  
A4

UNITS  
MM[INCH]

GENERAL TOLERANCES  
UNLESS SPECIFIED

APPROVED BY:  
Geoffrey.Song

PART NO.:  
WHAC-3225B-101U0

SACLE  
1:1

REV  
A0

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

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

CHECKED BY:  
Elvis.Song

DESIGND BY:  
Sunny.Xu

TEL: +86 400 1048 018

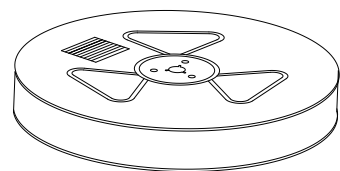
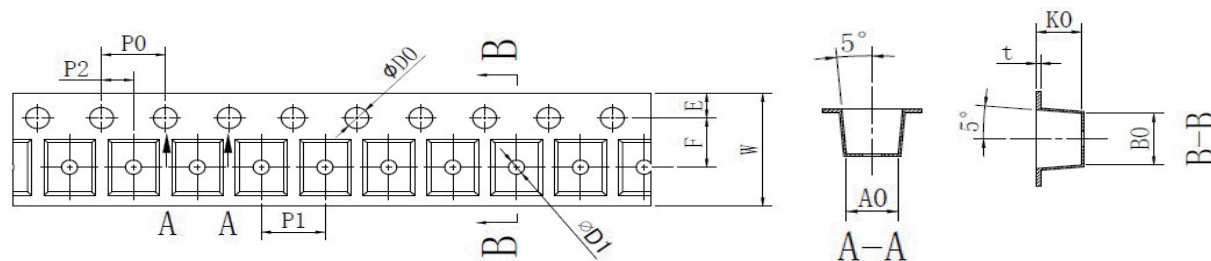
WEB: [WWW.WOHU-TEK.COM](http://WWW.WOHU-TEK.COM)

REMARK:

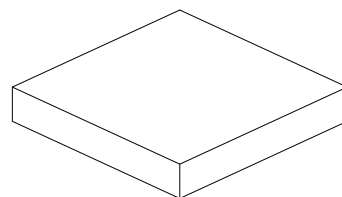
SHEET  
2/3



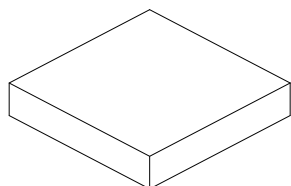
7 Packaging specification



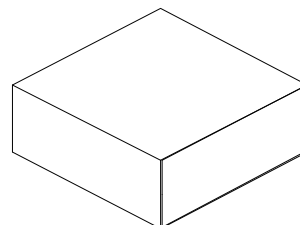
Four Reel



Inner Carton



Five Inner Carton



Export Carton

| 外观        | 尺寸          |
|-----------|-------------|
| E         | 1.75 ±0.10  |
| F         | 3.50 ±0.05  |
| P2        | 2.00 ±0.10  |
| $\phi D0$ | 1.55 ±0.05  |
| $\phi D1$ | 1.00 ±0.05  |
| P0        | 4.00 ±0.10  |
| 10P0      | 40.00 ±0.20 |
| W         | 8.00 ±0.10  |
| P1        | 4.00 ±0.10  |
| A0        | 2.75 ±0.10  |
| B0        | 3.50 ±0.10  |
| K0        | 2.70 ±0.10  |
| t         | 0.25 ±0.05  |

Package Quantity:  
One Reel=1500 Pcs  
One Inner Carton=1500\*4=6000 Pcs  
One Export Carton=6000\*5=30000 Pcs

|                               |              |                   |                                        |            |                               |
|-------------------------------|--------------|-------------------|----------------------------------------|------------|-------------------------------|
| 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>WHAC-3225B-101U0 | SACLE<br>1:1 | REV<br>A0         | x±0.35                                 | x°±3.0°    | CHECKED BY:                   |
|                               |              |                   | .x±0.30                                | .x°±2.0°   | Elvis.Song                    |
| REMARK:                       | SHEET<br>3/3 |                   | .xx±0.25                               | .xx°±1.5°  | DESIGND BY:                   |
|                               |              |                   | .xxx±0.10                              | .xxx°±1.0° | Sunny.Xu                      |