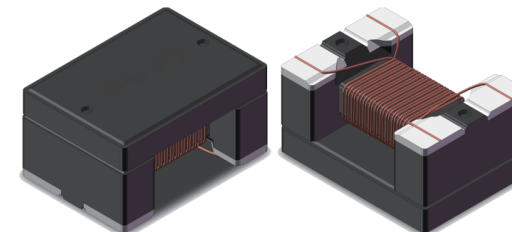


## 1 Features And Benefits

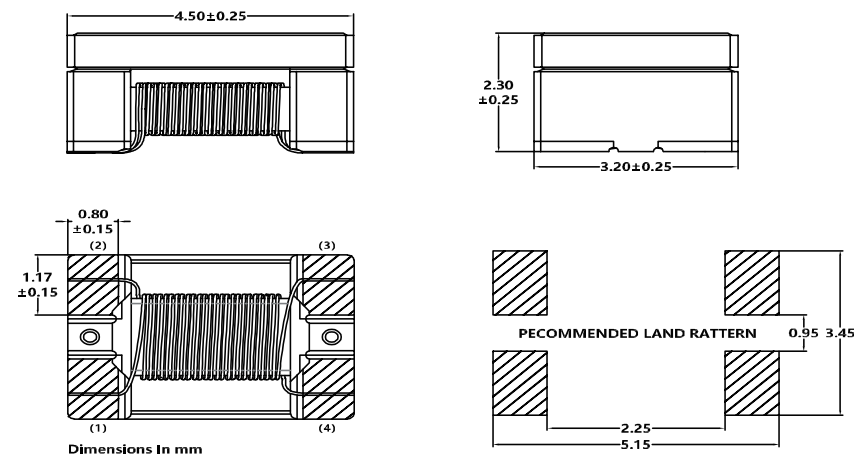
- Wire wound constructure common mode choke with best EMI suppression effect high impedance but very high rated current and low DCR
- Preventive measure against common mode noise radiation emissions from power line or else.
- Best for high current circuit such as car, wireless charging and power devicedesign.
- RoHS Compliant
- Operating Temperature: -40℃ to +125℃
- Compatible with RoHS Directive and AEC-Q200
- R&D and Factory IATF-16949 Certified



## 2 Electrical Specifications @ 25℃

| Part Number      | Common Mode Impedance (Ω) | Frequency (MHz) | RDC (mΩ)Max | Rated Current (A) Max | Isolation Resistance (MΩ) Min | Rated Current (mA) Max | Tolerance (±%) |
|------------------|---------------------------|-----------------|-------------|-----------------------|-------------------------------|------------------------|----------------|
| WHAC-4532A-900T0 | 90                        | 100             | 39          | 3.0                   | 10                            | 50                     | 25             |
| WHAC-4532A-421T0 | 420                       | 100             | 60          | 2.2                   | 10                            | 50                     | 25             |
| WHAC-4532A-601T0 | 600                       | 100             | 82          | 2.0                   | 10                            | 50                     | 25             |
| WHAC-4532A-801T0 | 800                       | 100             | 89          | 1.8                   | 10                            | 50                     | 25             |
| WHAC-4532A-102T0 | 1000                      | 100             | 113         | 1.5                   | 10                            | 50                     | 25             |
| WHAC-4532A-142T0 | 1400                      | 100             | 148         | 1.0                   | 10                            | 50                     | 25             |

## 3 Dimensions (mm)& recommend layout



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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.:  
WHAC-4532A-T0 Series

SACLE  
1:1

REV  
A0

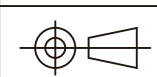
$x \pm 0.35$   
 $.x \pm 0.30$   
 $.xx \pm 0.25$   
 $.xxx \pm 0.10$

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

CHECKED BY:  
Elvis.Song  
DESIGND BY:  
Sunny.Xu

REMARK:

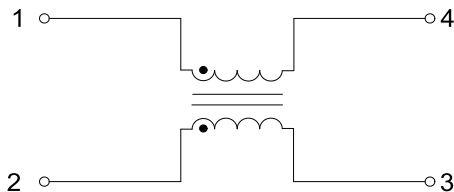
SHEET  
1/4



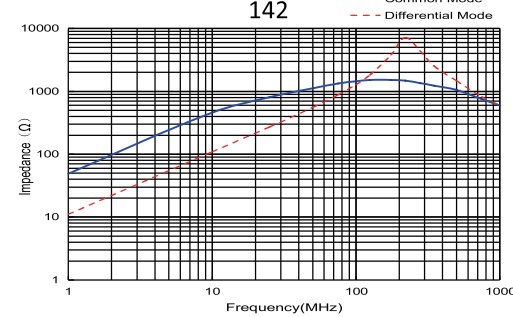
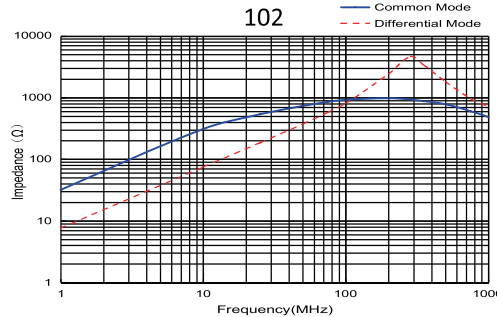
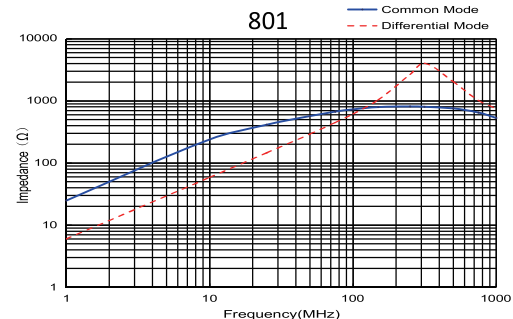
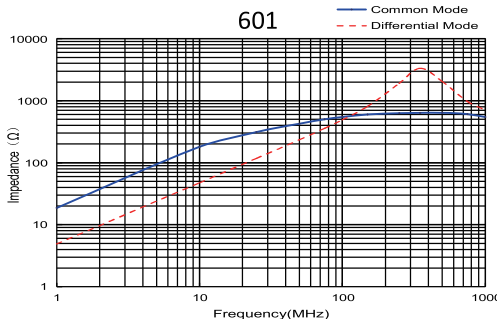
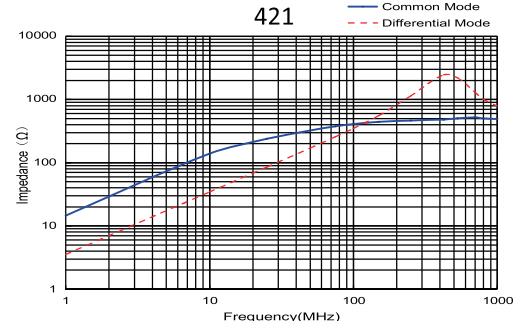
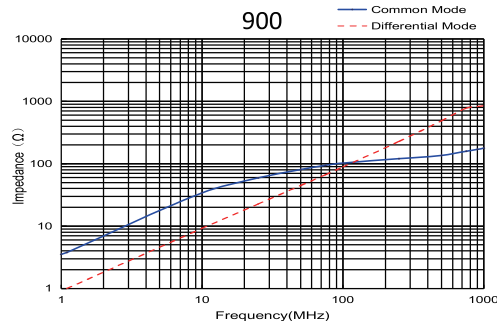
TEL: +86 400 1048 018

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

# 4 Schematics



# 5 Impedance VS. Frequency



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TITLE:  
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SIZE  
A4

UNITS  
MM[INCH]

GENERAL TOLERANCES  
UNLESS SPECIFIED

APPROVED BY:  
Geoffrey.Song

PART NO.:  
WHAC-4532A-T0 Series

SACLE  
1:1

REV  
A0

$x\pm0.35$   
 $.x\pm0.30$

$x^{\circ}\pm3.0^{\circ}$   
 $.x^{\circ}\pm2.0^{\circ}$

CHECKED BY:  
Elvis.Song

TEL: +86 400 1048 018

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

REMARK:

SHEET  
2/4

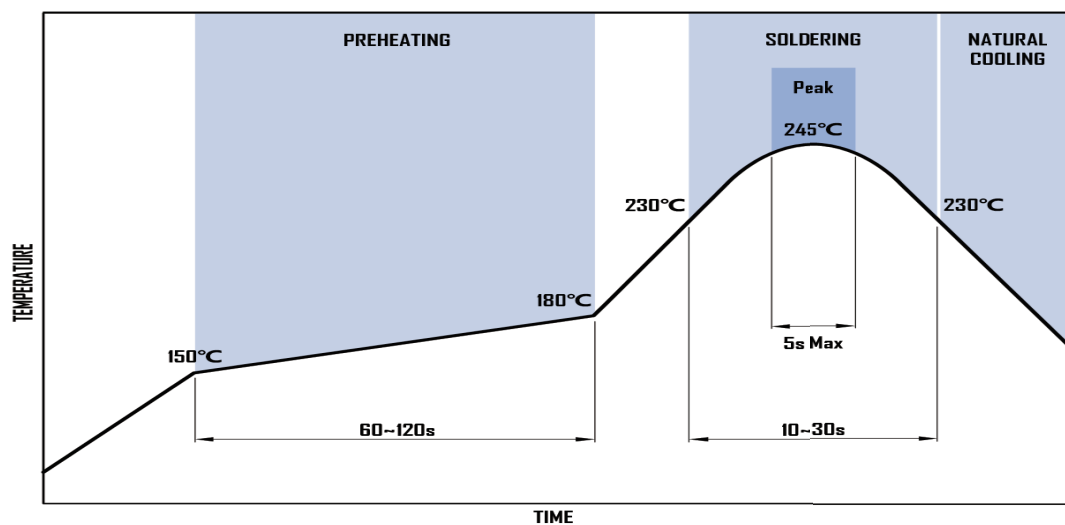


$.xx\pm0.25$   
 $.xxx\pm0.10$

$.xx^{\circ}\pm1.5^{\circ}$   
 $.xxx^{\circ}\pm1.0^{\circ}$

DESIGND BY:  
Sunny.Xu

## 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-4532A-T0 Series

SACLE  
1:1

REV  
A0

$x \pm 0.35$   
 $.x \pm 0.30$

$x^\circ \pm 3.0^\circ$   
 $.x^\circ \pm 2.0^\circ$

CHECKED BY:  
Elvis.Song

TEL: +86 400 1048 018

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

REMARK:

SHEET  
3/4

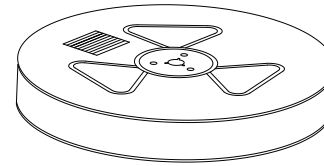
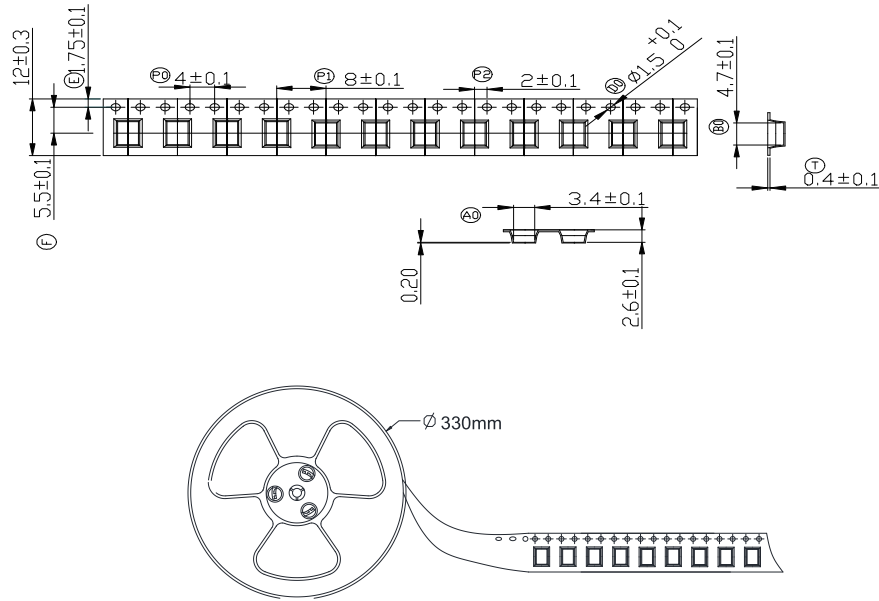


$.xx \pm 0.25$   
 $.xxx \pm 0.10$

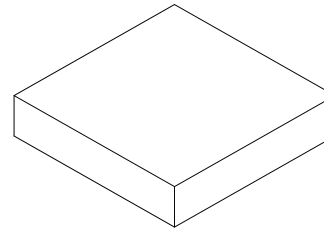
$.xx^\circ \pm 1.5^\circ$   
 $.xxx^\circ \pm 1.0^\circ$

DESIGND BY:  
Sunny.Xu

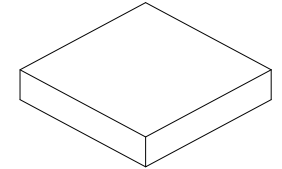
7 Packaging specification



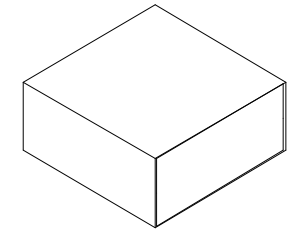
Four Reel



Five Inner Carton



Inner Carton



Export Carton

Package Quantity:  
One Reel=2000 Pcs  
One Inner Carton=2000\*4=8000 Pcs  
One Export Carton=8000\*5=40000 Pcs

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TITLE:  
Common Mode Choke

PART NO.:  
WHAC-4532A-T0 Series

REMARK:

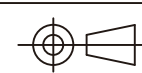
SIZE  
A4

SACLE  
1:1

SHEET  
4/4

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:  
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