

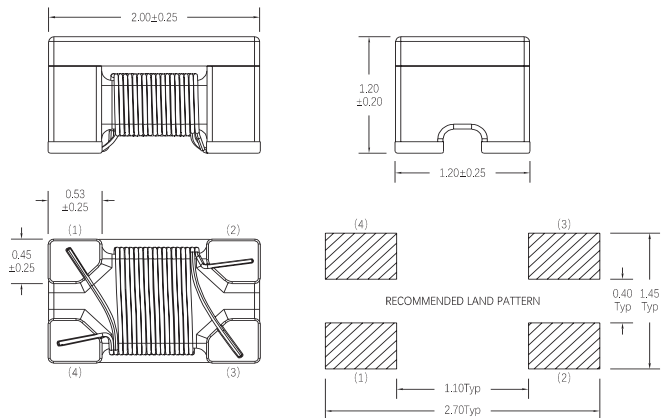
1 Features And Benefits

- 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 +85℃
- Available in 2012(0805) Size
- RoHS Compliant

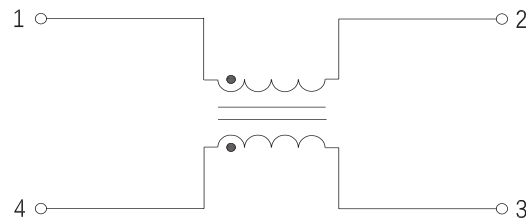
2 Electrical Specifications @ 25℃

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-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



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.:
WHLC-2012A-T0 Series

SACLE
1:1

REV
A0

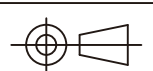
x±0.35
.x±0.30
.xx±0.25
.xxx±0.10

x°±3.0°
.x°±2.0°
.xx°±1.5°
.xxx°±1.0°

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

REMARK:

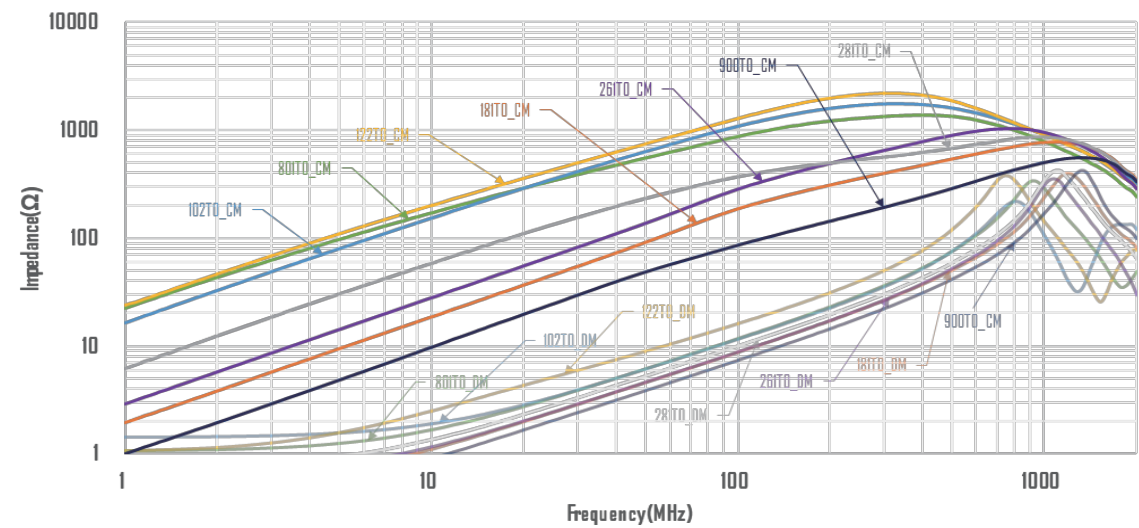
SHEET
1/5



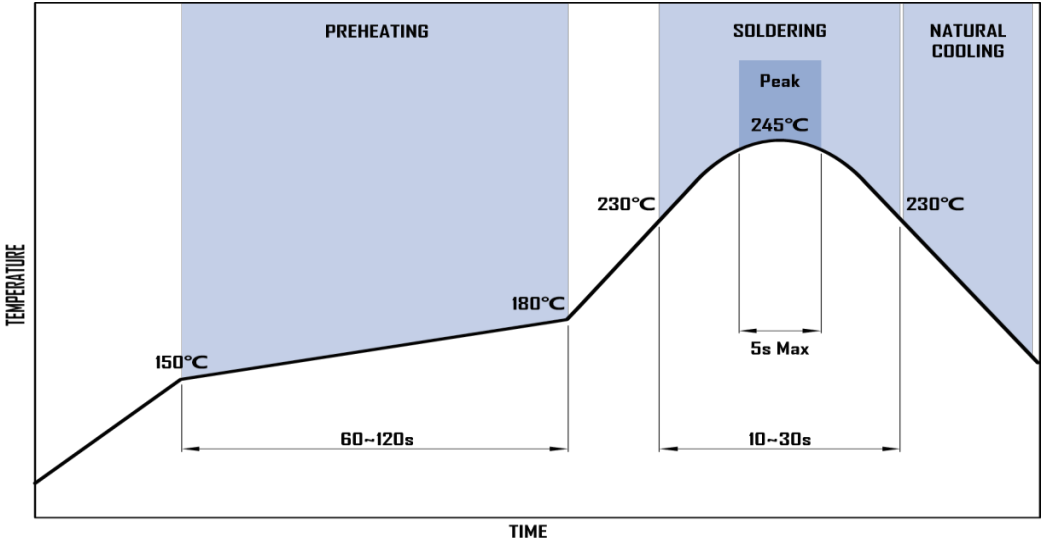
TEL: +86 400 1048 018

WEB: WWW.WOHU-TEK.COM

5 Impedance VS. Frequency



6 Recommended Reflow Profile



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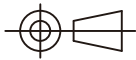
SIZE
A4

SACLE
1:1

SHEET
1/5

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

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

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1	2	3	4	5	6	7	8																																																				
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REMINDERS

The best assembly quality guarantee period of product: 12 months (From shipment date)
Storage condition : seal in packaging, (temperature: 5 to 40°C, humidity: 10 to 75% RH or less).

If taking out for use, the remaining products should be sealed in plastic bags and preserved in accordance with the above conditions, to avoid oxidation of electrodes and affect soldering status.

Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.).

Before soldering, be sure to preheat components.
The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.

Always handle products with care to avoid damage.

Do not touch electrodes with bare hands directly, as oil secretions may inhibit soldering.
Always ensure optimum conditions for soldering.

Soldering corrections after mounting should be within the range of the conditions determined in the specifications.If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.

Use a wrist band to discharge static electricity in your body through the grounding wire.

Do not expose the products to magnets or magnetic fields.

Do not use for a purpose outside of the contents regulated in the delivery specifications.

Do not use for Autimotive application.



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PART NO.: WHLC-2012A-T0 Series	SACLE 1:1	REV A0	x±0.35	x°±3.0°	CHECKED BY: Elvis.Song
			.x±0.30	.x°±2.0°	
REMARK:	SHEET 1/5		.xx±0.25	.xx°±1.5°	DESIGND BY: Sunny.Xu
			.xxx±0.10	.xxx°±1.0°	