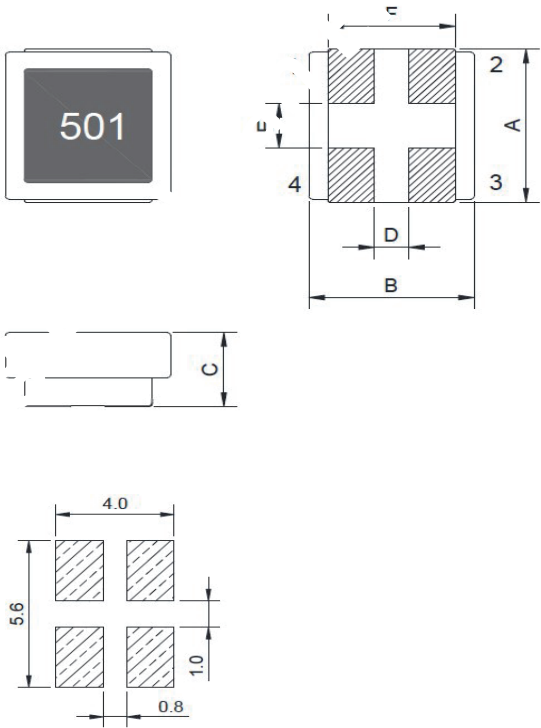


1 Electrical Specifications @ 25°C

Part Number	Impedance (100MHZ)	DC Resistance (Ω) Max	Rated Current (A) Max	Rated Voltage (Vdc) Max	Insulation Resistance (MΩ) Min	Insulation Test Voltage (Vdc)Max	Marking
	(Ω)typ						
WHAC-5020A-101T0	100	13	5.5	50	10	125	101
WHAC-5020A-251T0	250	20	4.5	50	10	125	251
WHAC-5020A-351T0	350	20	3.5	50	10	125	351
WHAC-5020A-501T0	500	27	3.5	50	10	125	501
WHAC-5020A-901T0	900	34	1.6	50	10	125	901
WHAC-5020A-102T0	1000	34	1.6	50	10	125	102
WHAC-5020A-142T0	1400	56	1.2	50	10	125	142
WHAC-5020A-152T0	1500	56	1.2	50	10	125	152

Note:
(1) .Meets AEC-Q200 Requirement
(2) .Rated Current : Temp . rise 40°C Typ
(3) .Operating Temperature: -40°C up to +125°C
(4) .Storage Temperature: 15°C up to 25°C , 65% RH max .
(5) .The temperature of electrical characteristic test is 25 °C indoor temperature

2 Dimensions (mm)& recommend layout



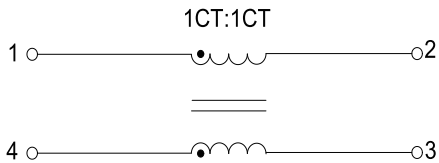
Reference land pattern (mm)

Item	A	B	C	D	E	F
Dim	5.0	4.8	2.5	1.0	1.45	3.5
Tole	±0.2	±0.2	Max	Typ	Typ	Typ

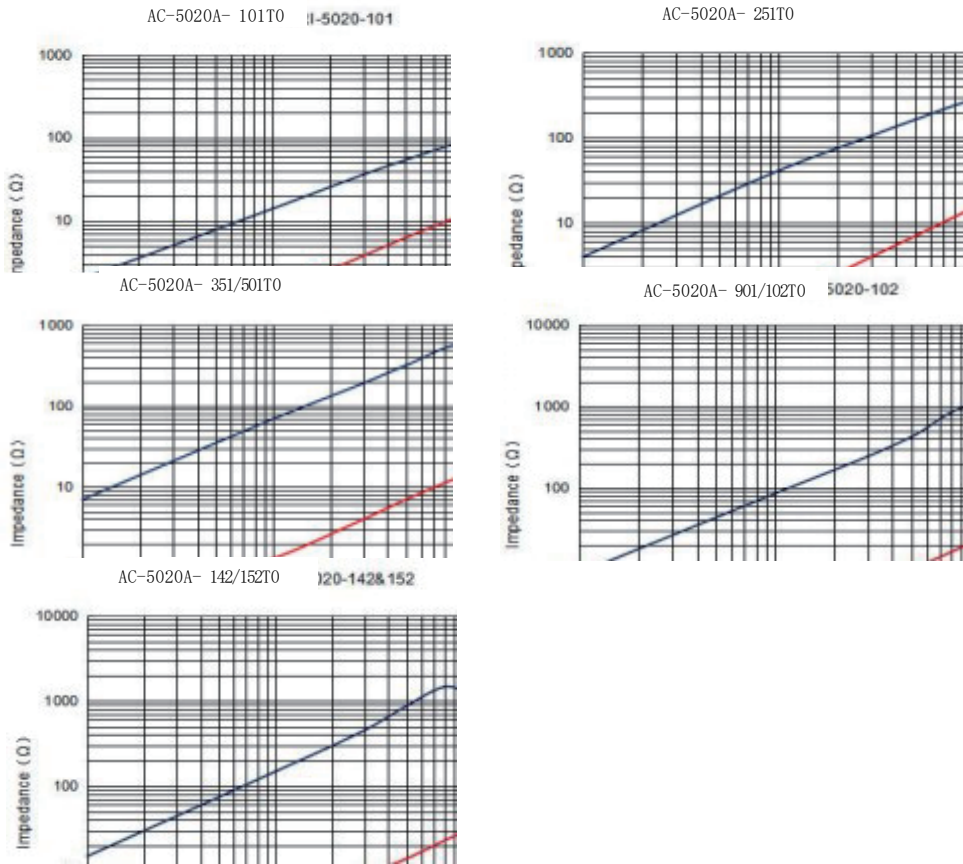
 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd		TITLE: Automotive Common Mode Line Filter	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song
		PART NO.: WHAC-5020A-T0 Series	SCALE 1:1	REV A0	x±0.35 .x±0.30	x°±3.0° .x°±2.0°	CHECKED BY: Elvis.Song
TEL: +86 400 1048 018	WEB: WWW.WOHU-TEK.COM	REMARK:	SHEET 1/4		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGNED BY: Sunny.Xu

REACH & RoHS
COMPLIANT

3 Schematics



4 Impedance VS. Frequency



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

TITLE:
Automotive Common Mode Line Filter

PART NO.:
WHAC-5020A-T0 Series

REMARK:

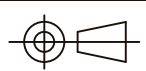
SIZE
A4

SCALE
1:1

SHEET
2/4

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

DESIGNED BY:
Sunny.Xu

1
2
3
4
5
6
7
8

REACH & RoHS
COMPLIANT

H

G

F

E

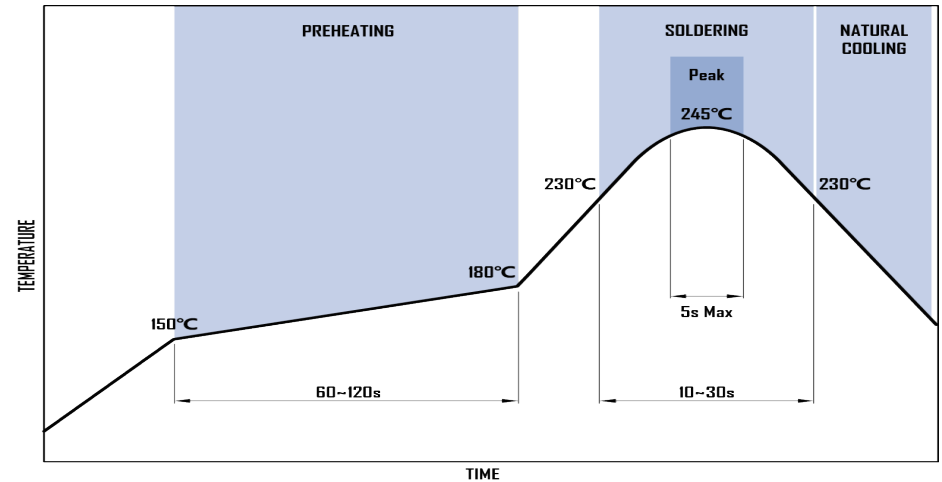
D

C

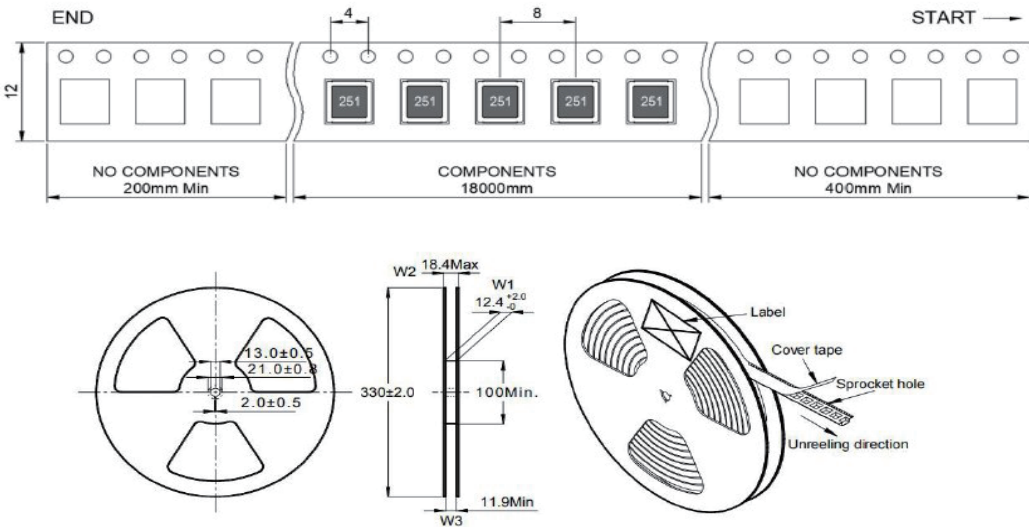
B

A

5 Recommended Reflow Profile



6 Packaging specification



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

TITLE:
Automotive Common Mode Line Filter

PART NO.:
WHAC-5020A-T0 Series

REMARK:

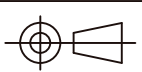
SIZE
A4

SCALE
1:1

SHEET
3/4

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

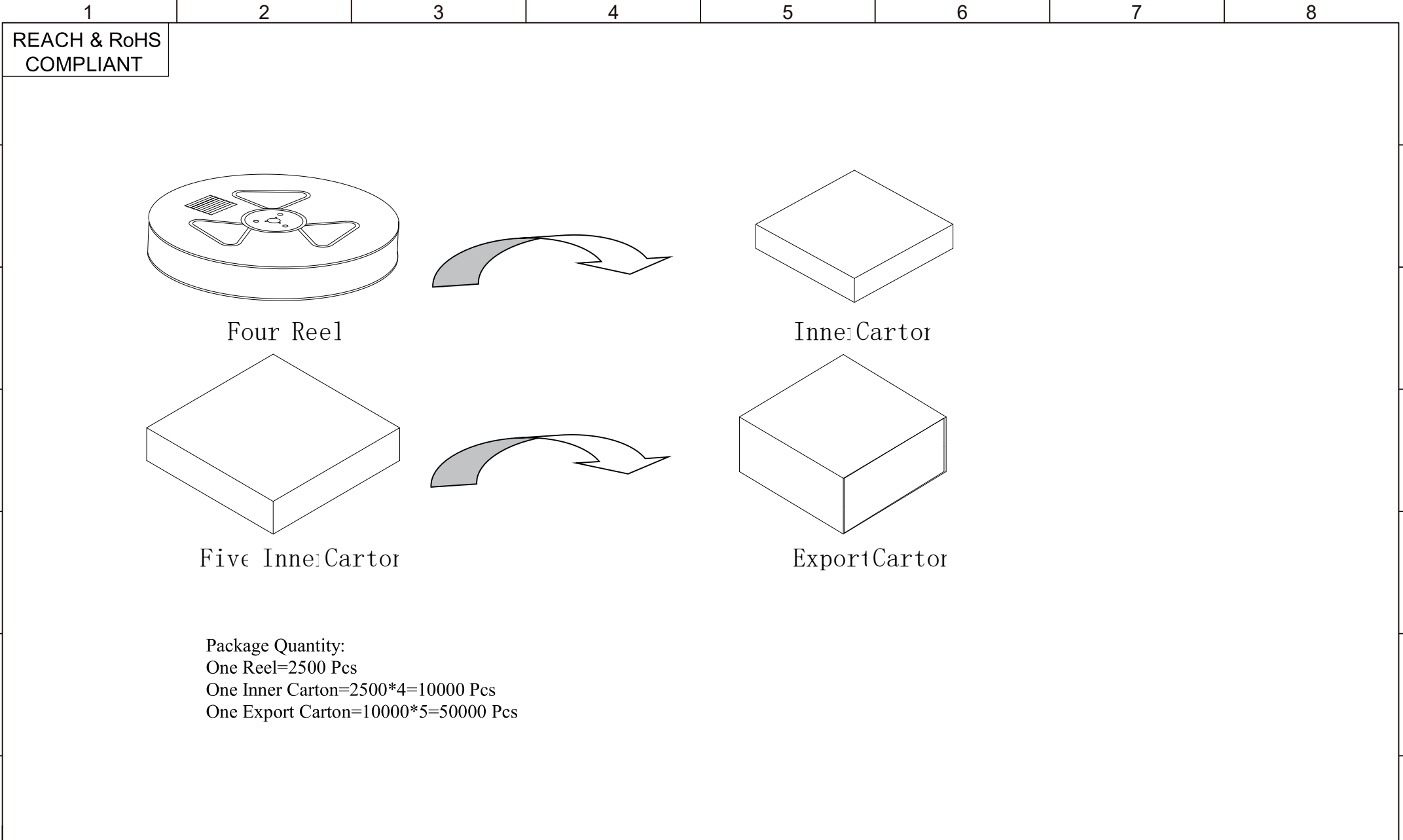
x±0.35
.x±0.30

.xx±0.25
.xxx±0.10

APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

DESIGNED BY:
Sunny.Xu



VOOHU 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd		TITLE: Automotive Common Mode Line Filter		SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song	
		PART NO.: WHAC-5020A-T0 Series		SCALE 1:1	REV A0	x±0.35	x°±3.0°	CHECKED BY: Elvis.Song	
						.x±0.30	.x°±2.0°		
TEL: +86 400 1048 018	WEB: WWW.WOHU-TEK.COM	REMARK:		SHEET 4/4		.xx±0.25	.xx°±1.5°	DESIGNED BY: Sunny.Xu	
						.xxx±0.10	.xxx°±1.0°		