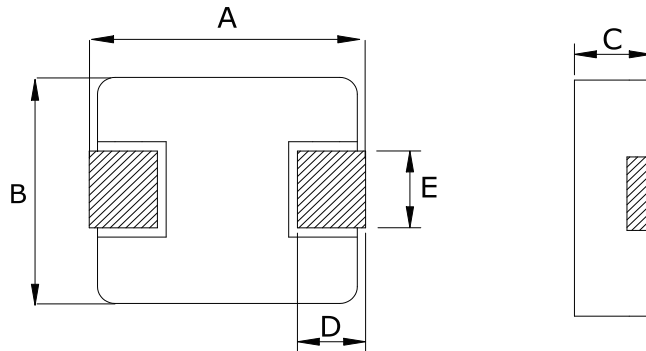
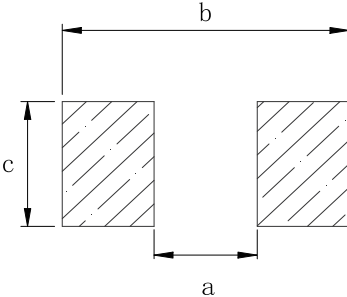


1	2	3	4	5	6	7	8																
REACH & RoHS COMPLIANT																							
introduction			Dimensions-mm																				
• ROHS, Halogen Free and REACH compliance • High rated current • 125℃ maximum total temperature operation • 7.3×6.8×2.4mm maximum surface mount package • Low core loss • Ultra low buzz noise due to molding construction																							
Applications																							
• Laptops and PCs • Switch and servers • Base stations • DC/DC converters • Battery powered devices • SSD modules			Recommend Land Pattern																				
Product Identification																							
YTA ① 0624 ② --6R8 ③ M ④																							
① YTA ----- Series name ② 0624----- Dimension ③ 6R8 ----- Inductance Value (6R8 = 6.8μH) ④ M -----Inductance Tolerance (M= ± 20%)			<table><tr><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>a typ</td><td>b typ</td><td>c typ</td></tr><tr><td>7.0±0.3</td><td>6.6±0.2</td><td>2.2±0.2</td><td>1.6±0.3</td><td>3.0±0.3</td><td>3.7</td><td>8.4</td><td>3.5</td></tr></table>					A	B	C	D	E	a typ	b typ	c typ	7.0±0.3	6.6±0.2	2.2±0.2	1.6±0.3	3.0±0.3	3.7	8.4	3.5
A	B	C	D	E	a typ	b typ	c typ																
7.0±0.3	6.6±0.2	2.2±0.2	1.6±0.3	3.0±0.3	3.7	8.4	3.5																
VOOHU 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd			TITLE: YTA0624 Series		SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song														
			PART NO.: YTA0624系列规格书 REV1.1		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			REMARK:		SHEET 1/7		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGND BY: Sunny.Xu														
1	2	3	4	5	6	7	8																

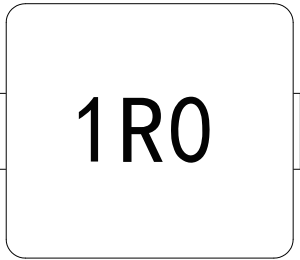
REACH & RoHS
COMPLIANT

Marking

The inductor is marked with a 3-digit code

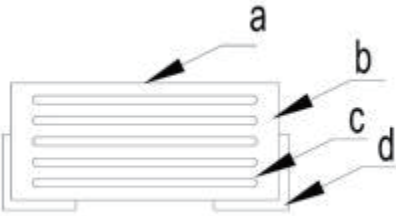
Nominal Inductance	
Example	Nominal Value
1R0	1.0 μ H
100	10 μ H
101	100 μ H

Note : Using Ink for marking



Structure and Components

Symbol	Components	Material
a	MARKING	Ink (black)
b	CORE	Alloy Sponge Powder
c	WIRE	Polyurethane copper wire
d	Terminal	Copper plated with Sn



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TITLE:
YTA0624 Series

PART NO.:
YTA0624系列规格书 REV1.1

REMARK:

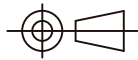
SIZE
A4

SACLE
1:1

SHEET
2/7

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

DESIGND BY:
Sunny.Xu

1		2		3		4		5		6		7		8	
REACH & RoHS COMPLIANT															

1

2

3

4

5

6

7

8

REACH & RoHS
COMPLIANT

Mechanical Reliability		
Item	Specification and Requirement	Test Method
Solderability	1. No case deformation or change in apperance 2. New solder coverage More than 95%	1.Preheat: 155℃±5℃ , 60S±2S 2.Tin: lead-free. 3.Temperature:240℃±5℃, flux 3.0S±0.5S.
Mechanical shock	1. No case deformation or change in apperance 2. ΔL/Lo≤±10%	1. Acceleration: 100G 2. Pulse time:: 6ms 3. 3 times in each positive and negative direction of 3 mutual perpendicular directions
Mechanical vibration	1. No case deformation or change in apperance 2. ΔL/Lo≤±10%	1. Reflow: 2times 2. Frequency: 10HZ~55HZ~10HZ, 20 Min/Cycles 3. Amplitude: 1.52 mm 4. Directions: X,Y,Z 5. Time: 12 cycle / direction
Endurance Reliability		
Item	Specification and Requirement	Test Method
Thermal Shock	Inductance change: Within ± 10% Without distinct damage in appearance	1. First -55℃ for 30 minutes, last 125℃ for 30 minutes as 1 cycle. Go through 1000 cycles. 2. Max transfer time is 3 minutes. 3. Measured at room temperature after placing for 24±2 hours
Humidity Resistance	Inductance change: Within ± 10% Without distinct damage in appearance	1.Reflow 2 times, 2.85℃,85%RH,1000 hours 3.Measured at room temperature after placing for 24±2 hours
Low temperature storage	Inductance change: Within ± 10% Without distinct damage in appearance	1. Temperature: -55 ± 2℃ 2. Time: 1000 hours 3. Measured at room temperature after placing for 24±2 hours
High temperature storage	Inductance change: Within ± 10% Without distinct damage in appearance	1. Temperature: +125 ± 2℃ 2. Time: 1000 hours 3. Measured at room temperature after placing for 24±2 hours

Recommended Soldering Technologies

(1)Re-flowing Profile

Preheat condition: 150 ~200℃/60~180sec.

Allowed time above 217℃: 80~120sec.

Max temp: 260℃

Max time at max temp: 10 sec.

Solder paste: Sn/3.0Ag/0.5Cu

Allowed Reflow time: 2x max

(2)Iron Soldering Profile

Iron soldering power: Max. 30W

Pre-heating: 150℃/60sec.

Soldering Tip temperature: 350℃ Max.

Soldering time: 3sec. Max.

Solder paste: Sn/3.0Ag/0.5Cu

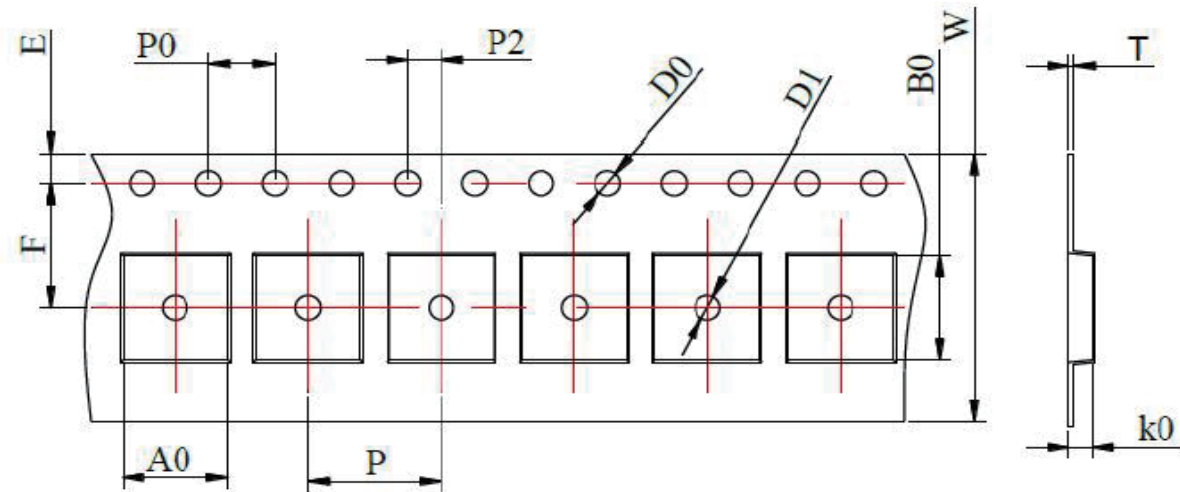
Max.1 times for iron soldering

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		PART NO.: YTA0624系列规格书 REV1.1		SACLE 1:1	REV A0	x±0.35	x°±3.0°	CHECKED BY: Elvis.Song	
		REMARK:				.x±0.30	.x°±2.0°		
TEL: +86 400 1048 018	WEB: WWW.WOHU-TEK.COM			SHEET 4/7		.xx±0.25	.xx°±1.5°	DESIGND BY: Sunny.Xu	
						.xxx±0.10	.xxx°±1.0°		

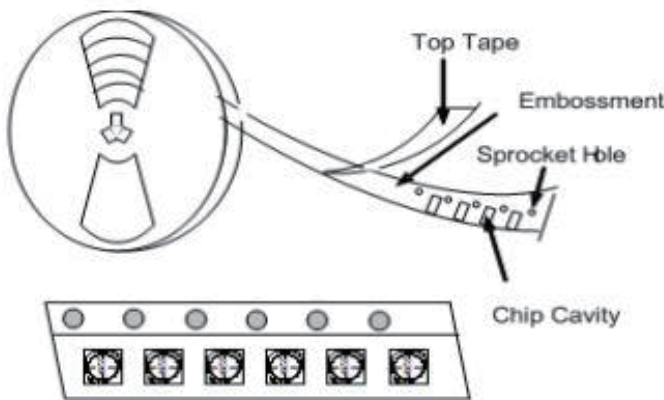
REACH & RoHS
COMPLIANT

Packaging Information

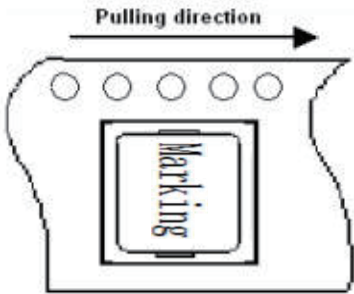
(1) Tape Packaging Dimensions (Unit: mm)



Taping Drawings (UNIT:mm)



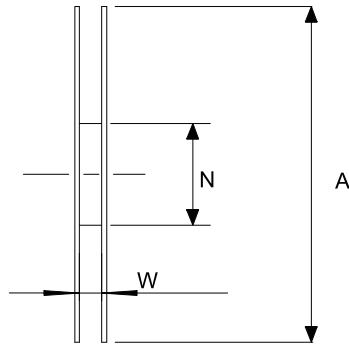
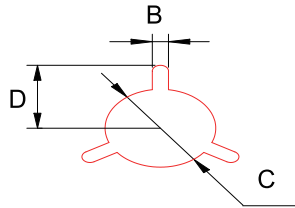
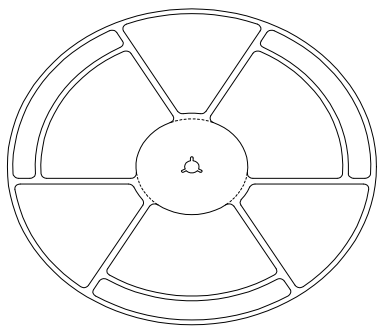
Type	Tape dimensions (mm)											
	W	P	P0	P2	D0	D1	T	A0	B0	K0	E	F
WHYTA0624	16 ±0.3	12 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.35 ±0.05	6.9 ±0.1	7.5 ±0.1	2.7 ±0.1	1.75 ±0.1	7.5 ±0.1



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: YTA0624 Series		SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song	
	PART NO.: YTA0624系列规格书 REV1.1		SACLE 1:1	REV A0	.xx±0.25	x°±3.0°	CHECKED BY: Elvis.Song	
	REMARK:		SHEET 5/7		.xxx±0.10	.xxx°±1.0°	DESIGND BY: Sunny.Xu	

REACH & RoHS
COMPLIANT

(2) Reel Dimensions (Unit: mm)



A	W	N	B	C	D
330+2.0	16.8+0.2	97+0.5	2.2+0.5	13.2±0.2	10.75±0.25

(3) Packaging Quantity(PCS)

Type	Standard Quantity		
	Reel	Inner box	Carton box
WHYTA0624	1500 pcs / reel	3Reel / box (4500 pcs)	4 Middle boxes, (18000 pcs)

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TITLE:
YTA0624 Series

PART NO.:
YTA0624系列规格书 REV1.1

REMARK:

SIZE
A4

SACLE
1:1

SHEET
6/7

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

x±0.35
.x±0.30

.xx±0.25
.xxx±0.10

x°±3.0°
.x°±2.0°

.xx°±1.5°
.xxx°±1.0°

APPROVED BY:
Geoffrey.Song

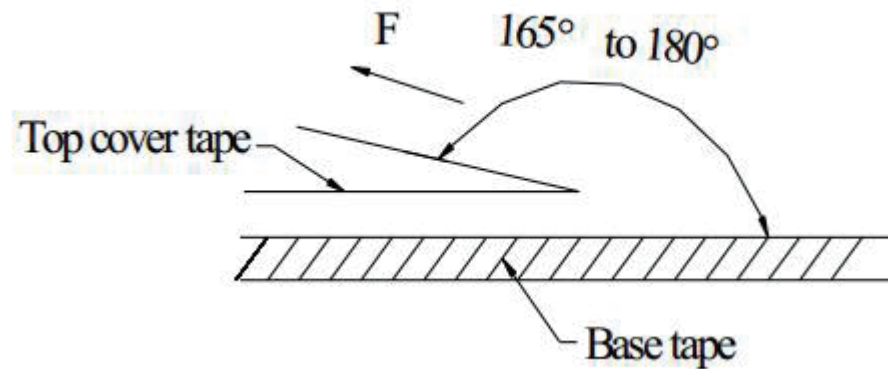
CHECKED BY:
Elvis.Song

DESIGND BY:
Sunny.Xu

(4) Peel force of top cover tape

The peel speed shall be about 300mm/minute

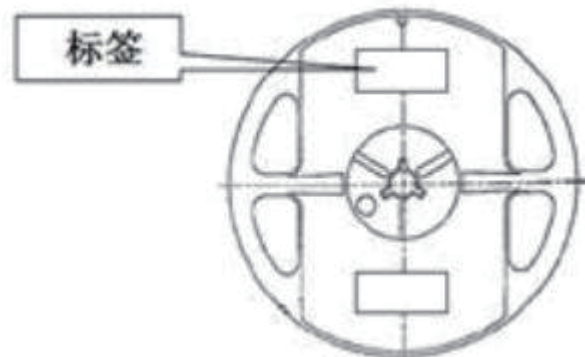
The peel force of top cover tape shall be between 0.1 to 1.3 N



(5) Reel Label

Label on the reel

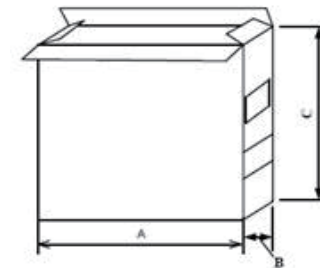
- Customer's part Number
- Lot Number
- Quantity
- date code



Shipping Label

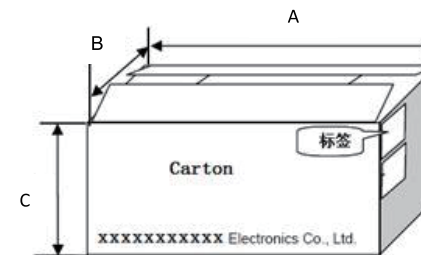
- Customer's part Number
- Manufacturer's part Number
- Quantity
- date code

(6) Inner Box



Packaging type	A (mm)	B (mm)	C (mm)
Inner box	335	70	340

(7) Carton



Packaging type	A (mm)	B (mm)	B (mm)
type	360	360	360

