

REACH & RoHS
COMPLIANT

introduction

- ROHS, Halogen Free and REACH compliance
- High rated current
- 125℃ maximum total temperature operation
- 7.3×6.8×4.0mm maximum surface mount package
- Low core loss
- Ultra low buzz noise due to molding construction

Applications

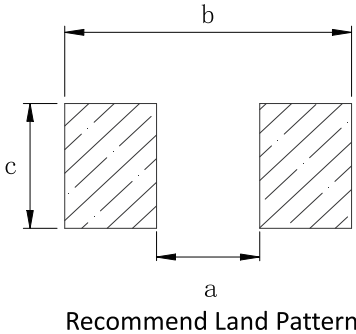
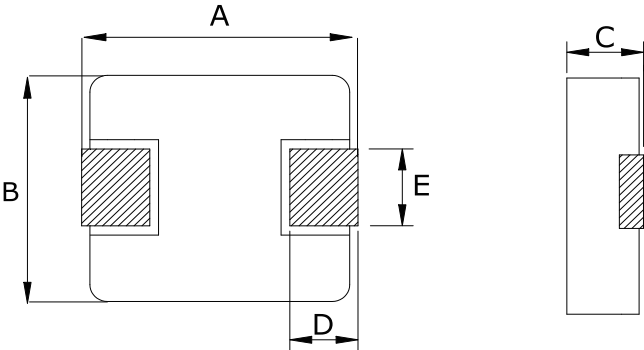
- Laptops and PCs
- Switch and servers
- Base stations
- DC/DC converters
- Battery powered devices
- SSD modules

Product Identification

YT 0640 --6R8 M
① ② ③ ④

- ① YT ----- Series name
② 0640 ----- Dimension
③ 6R8 ----- Inductance Value (6R8 = 6.8μH)
④ M -----Inductance Tolerance (M= ± 20%)

Dimensions (unit:mm)



A	B	C	D	E	a typ	b typ	c typ
7.0±0.3	6.6±0.2	3.8±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

TEL: +86 400 1048 018

WEB: WWW.WOHU-TEK.COM

TITLE:
YT0640 Series

PART NO.:
YT0640系列规格书.

REMARK:

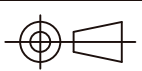
SIZE
A4

SACLE
1:1

SHEET
1/7

UNITS
MM[INCH]

REV
A0



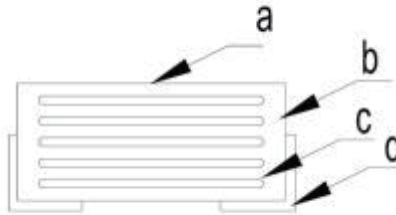
GENERAL TOLERANCES
UNLESS SPECIFIED

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:
Sunny.Xu

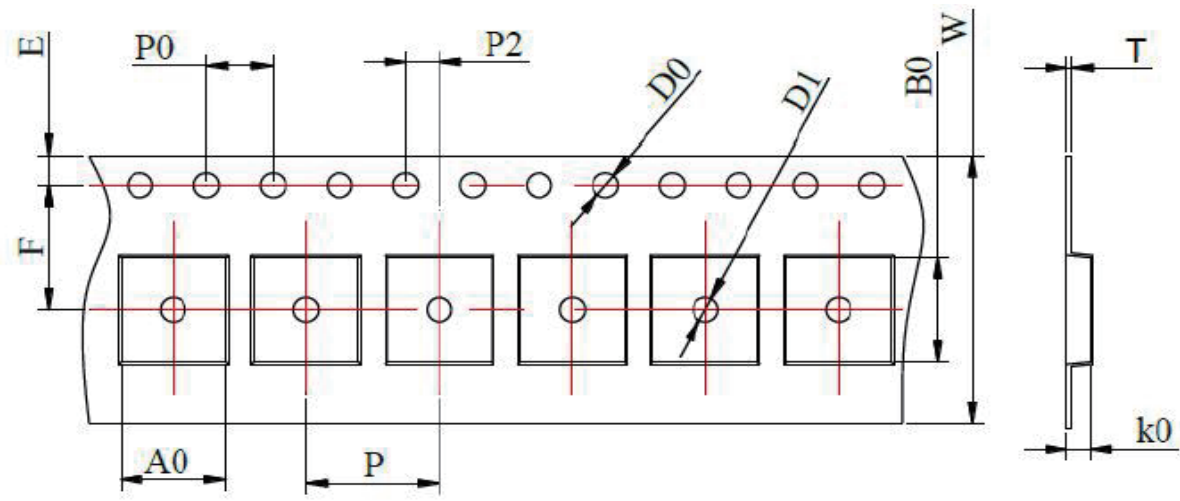
1	2	3	4	5	6	7	8																									
REACH & RoHS COMPLIANT																																
Marking		Structure and Components																														
The inductor is marked with a 3-digit code																																
<table><tr><th colspan="2">Nominal Inductance</th></tr><tr><th>Example</th><th>Nominal Value</th></tr><tr><td>1R0</td><td>1.0 μH</td></tr><tr><td>100</td><td>10 μH</td></tr><tr><td>101</td><td>100 μH</td></tr></table>		Nominal Inductance		Example	Nominal Value	1R0	1.0 μH	100	10 μH	101	100 μH	<table><tr><th>Symbol</th><th>Components</th><th>Material</th></tr><tr><td>a</td><td>MARKING</td><td>Ink (black)</td></tr><tr><td>b</td><td>CORE</td><td>Alloy Sponge Powder</td></tr><tr><td>c</td><td>WIRE</td><td>Polyurethane copper wire</td></tr><tr><td>d</td><td>Terminal</td><td>Copper plated with Sn</td></tr></table>				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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TEL: +86 400 1048 018		REMARK:		SHEET 2/7		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGND BY: Sunny.Xu																								
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1		2	3	4	5	6	7	8
REACH & RoHS COMPLIANT								

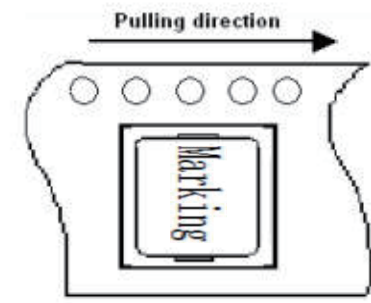
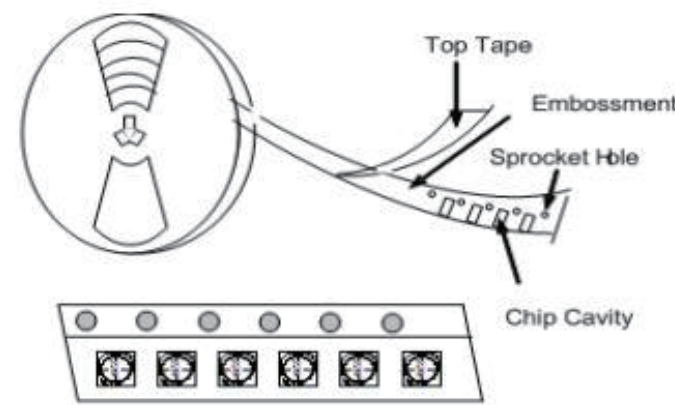
REACH & RoHS
COMPLIANT

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
WHYT0640	16 ±0.3	12 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.4 ±0.05	6.9 ±0.1	7.5 ±0.1	4.3 ±0.1	1.75 ±0.1	7.5 ±0.1

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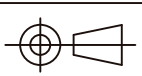
SIZE
A4

SACLE
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SHEET
5/7

UNITS
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GENERAL TOLERANCES
UNLESS SPECIFIED

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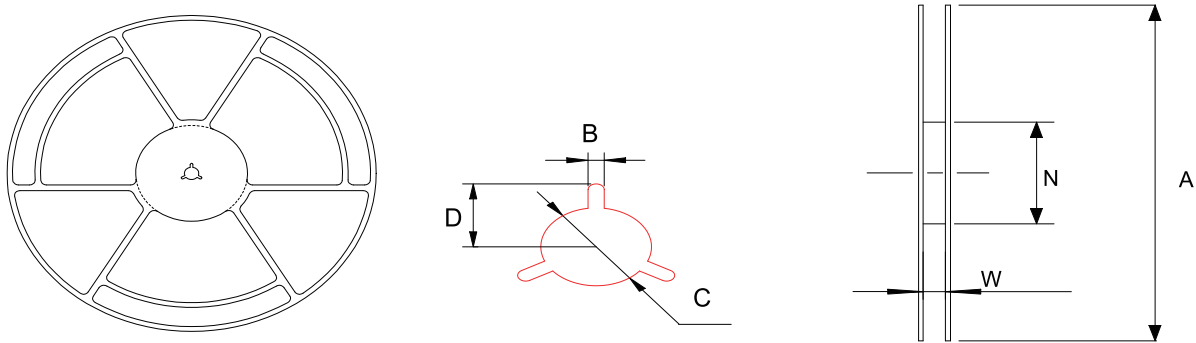
APPROVED BY:
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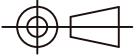
(2) Reel Dimensions (Unit: mm)



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
WHYT0640	1000 pcs / reel	3Reel / box (3000 pcs)	4 Middle boxes, (12000 pcs)

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	REMARK:		SHEET 6/7		.x±0.30	.x°±2.0°	Elvis.Song
	TEL: +86 400 1048 018	WEB: WWW.WOHU-TEK.COM			.xx±0.25	.xx°±1.5°	DESIGND BY:
					.xxx±0.10	.xxx°±1.0°	Sunny.Xu

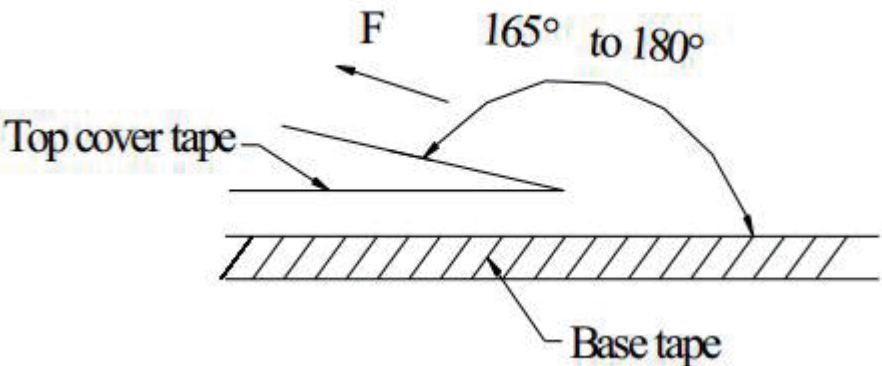
1
2
3
4
5
6
7
8

REACH & RoHS
COMPLIANT

H

(4) Peel force of top cover tape

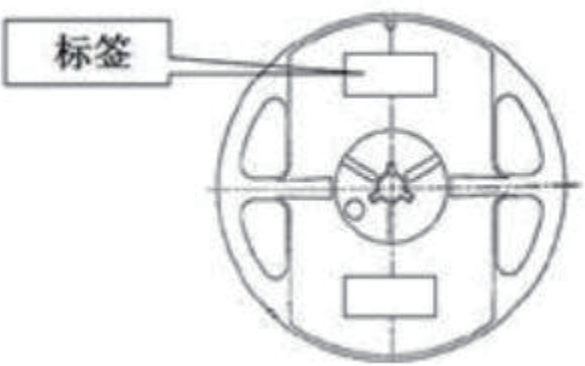
The peel speed shall be about 300mm/minute
The peel force of top cover tape shall be between 0.1 to 1.3 N



E

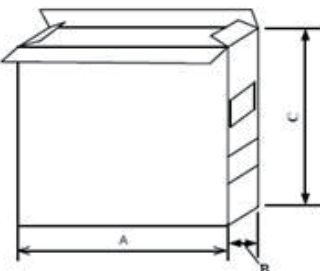
(5) Reel Label

- Label on the reel
- Customer's part Number
 - Lot Number
 - Quantity
 - date code



- C
- Shipping Label
- Customer's part Number
 - Manufacturer's part Number
 - Quantity
 - date code
- B

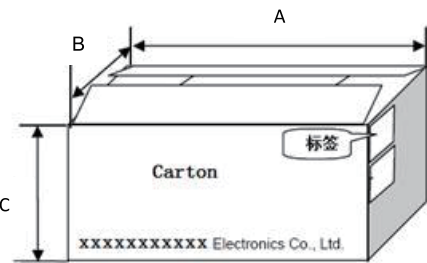
(6) Inner Box



E

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

(7) Carton



C

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

B

A

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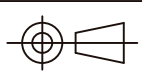
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